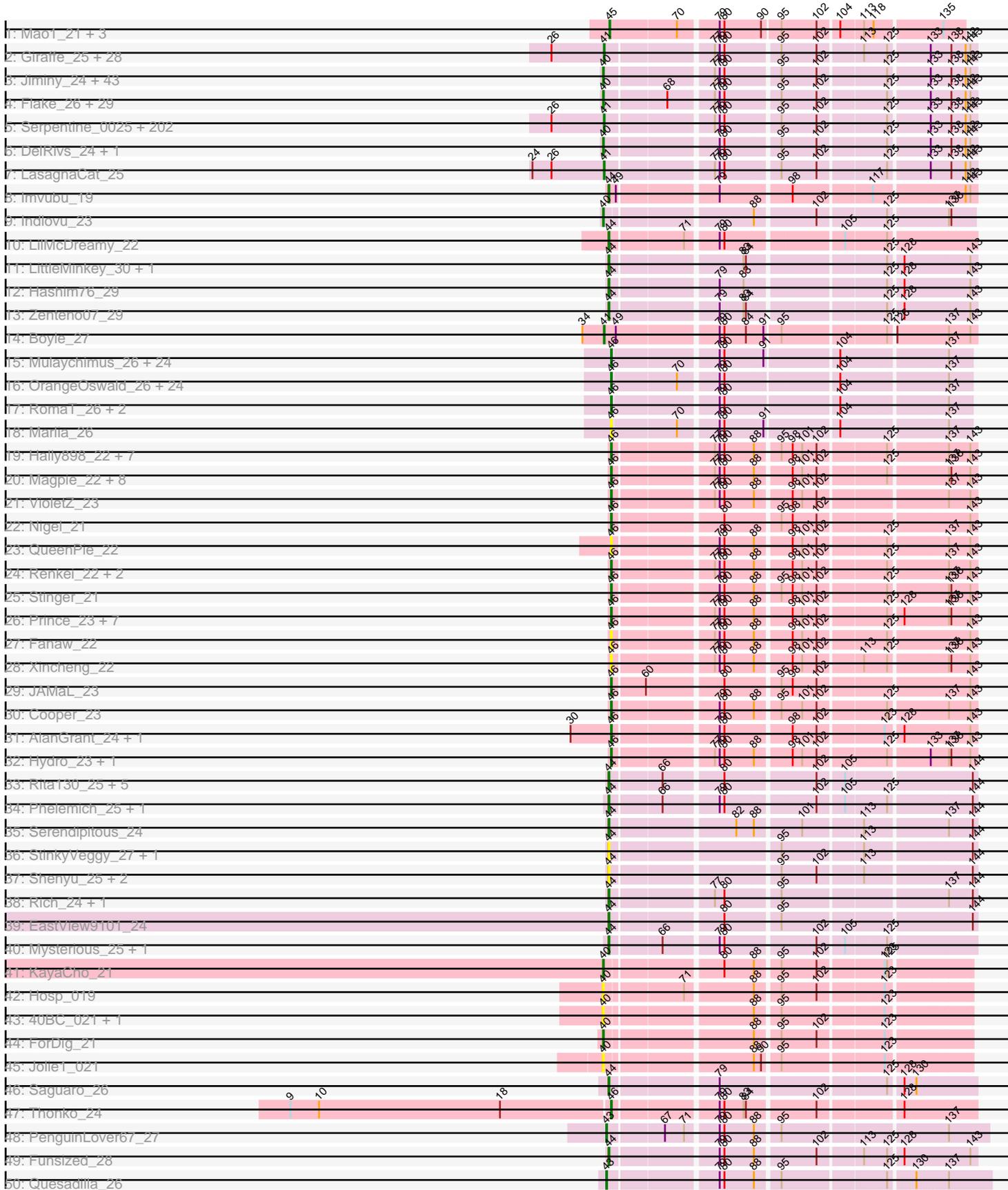
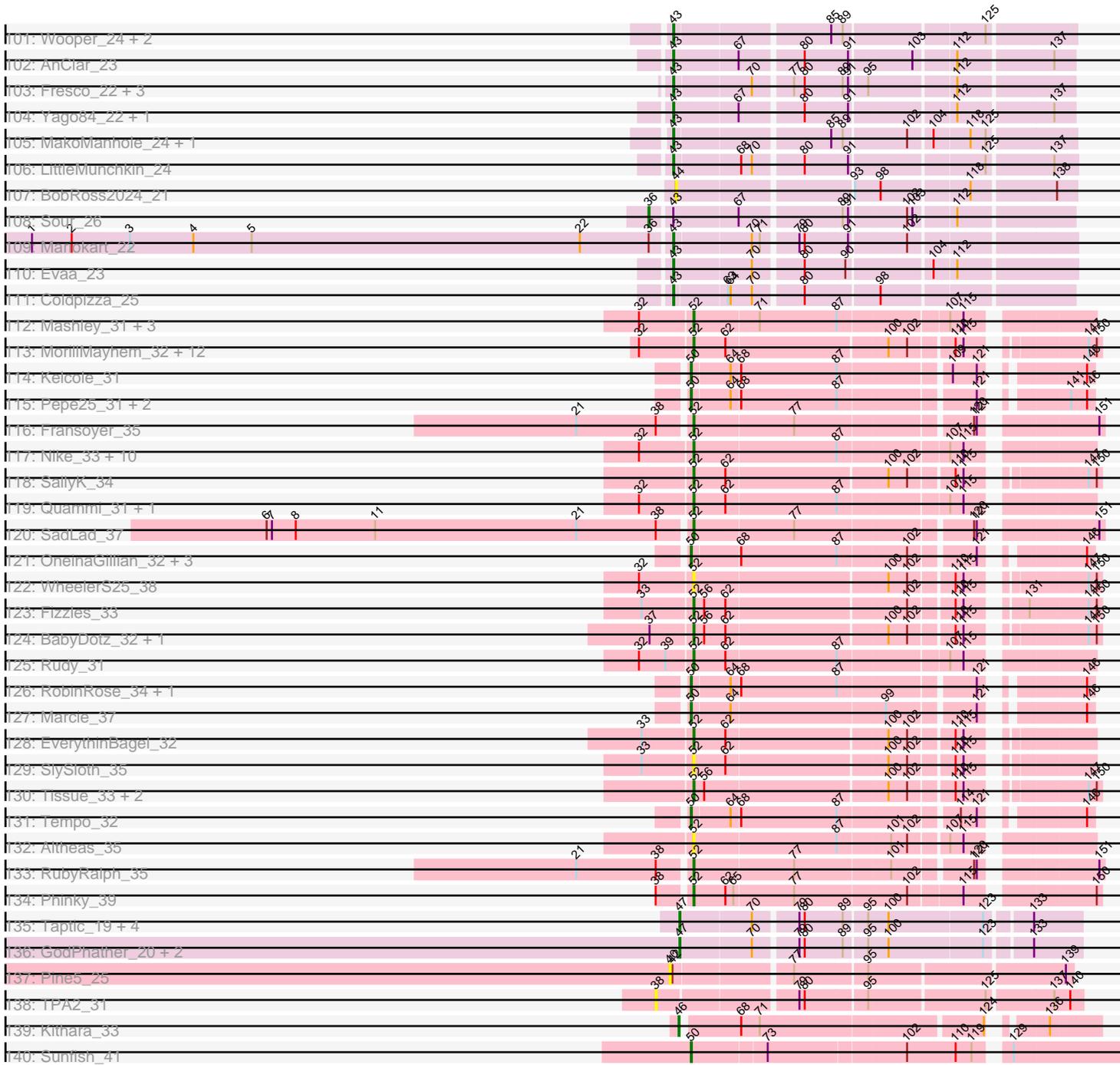


Pham 290676



Pham 290676



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 290676 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290676 has 668 members, 90 are drafts.

Phages represented in each track:

- Track 1 : Mao1_21, Mask_22, Dori_22, Sejanus_22
- Track 2 : Giraffe_25, Hetaeria_25, Oosterbaan_25, Usavi_25, Kikipoo_25, Cosmolli16_24, Pipsqueak_25, Mana_24, Scoot17C_25, LostAndPhound_24, HighStump_24, Orion_25, Megatron_25, Grand2040_24, Chorkpop_25, DoesntMatter_25, Kahve_24, LeiMonet_25, TallGrassMM_25, IsaacEli_25, MRabcd_24, Lasso_25, UAch1_25, Potter_24, Morty_25, FugateOSU_24, Vista_25, Placalicious_24, PG1_25
- Track 3 : Jiminy_24, Hekos_22, DuchessDung_23, Aleia_25, Caspiboi_24, HogWash_24, MrPhizzler_25, TyrionL_24, Oline_24, Maskar_24, Cornbread_24, Zonia_25, Ashraf_24, Hocus_24, Trypo_25, Plata_25, Swiphy_25, Etaye_25, Doddsville_25, Duggie_24, JakeO_24, Schueller_24, JDog_24, ImtiyazSitla_24, DaddyDaniels_25, Durga_25, Karn_24, GeneCoco_25, Dati_25, FleetyMac_24, Longacauda_24, Melc17_25, Wallhey_24, Kwksand96_24, Brilliant_25, Derpp_24, Happabalu_25, Struggle_24, Weher20_25, Vaishali24_24, PhatLouie_25, Labeouficaum_24, CharlieGBrown_24, Pinkman_24
- Track 4 : Flake_26, SirBeauregard_24, Larson_26, Phleuron_24, Rimu_25, BatteryCK_24, Phergie_24, Magic8_25, OSmaximus_25, Veritas_24, Coletti_25, MichaelPhcott_24, Kailash_25, Chute_24, MelsMeow_24, Windsor_24, Keitherie_25, Virgeve_24, Mag7_24, PhrankReynolds_24, Gwennie1_25, ElvisPhasley_25, PhenghisKhan_24, BlacksBerry_24, Iridessa_25, Apizium_24, Khan1_25, Hartsy_25, Nathan_25, Chaelin_24
- Track 5 : Serpentine_0025, Haimas_25, Banjo_24, Mikota_25, Nacho_0025, Murdoc_25, Chunky_25, Adriana_25, OneBrain_25, Nicole21_25, FremontTroll_25, Kimbrough_25, Lumine_24, Maru_24, Burr_24, Selr12_25, Inchworm_25, OliverWalter_25, Valjean_25, KingVeVeVe_25, SilverBell_25, Triad_25, Olive_25, Iridoclysis_25, Gyarad_0025, Zelda_25, EmpTee_25, Mecca_24, Eugenia_25, Mulan_24, Prickles_25, FluffyNinja_25, Thora_25, LuckyMarjie_24, Riverton_24, ShadowBud_25, AngelCake_25, Altwerkus_24, DirtJuice_25, Basato_26, Frankicide_25, Pops_25, Boehler_25, KLucky39_25, Cher_24, CamL_25, Charles1_25, Gwilliam_25, Skippy_25, SDcharge11_25, Antonia_24, Gareth_24, Buckeye_25, Megamind20_25, Newman_25, Kwadwo_24, Simielle_24, Manad_24, Squid_25, Daffy_25, RedRaider89_25, Cornobble_24, Olak_24, Freya_24, ABU_25, Numberten_25, Hamish_25, TooFast2Furius_26, Andre_25, ThreeOh3D2_25, BlackStallion_25, Yoshand_25, Mcshane_24, Schadenfreude_24, Haleema_24, Scrick_25, MitKao_25, Swish_25, Bishoperium_24, Mutante_24, BoogieWoogie_24, Serendipity_25, Sigman_25, Roy17_25, Lulwa_25, CheetO_25, Emiris_25, Spartan300_25, Cobra_25, DolOn_26, Bluephacebaby_24, Dingo_25, Xavier_24,

LeeLot_25, KlimbOn_25, PhrodoBaggins_24, PinheadLarry_25, Beaglebox_24, Jillium_24, Sophia_24, Lopsy_24, Surely_25, Slatt_25, Toni_24, Mosaic_24, ProfessorX_25, Solosis_24, Jesabah_25, Virapocalypse_25, Crownjwl_25, Mesmerelda_24, Roliet_25, Orwigg_24, Harvey_25, Plmatters_25, Pherdinand_25, Telesworld_24, SassyCat97_24, Badfish_25, Hertubise_25, QueenBeane_25, Childish_24, Fozzie_24, Omniscient_25, MiniBoss_25, CampRoach_25, Ricotta_24, Held_25, JangoPhett_25, Lego3393_25, Horchata_25, Lulumae_24, Matalotodo_25, Nyala_24, Colbert_25, Phareon_25, AbsoluteMadLad_24, Inverness_25, Fang_25, YouGoGlencoco_25, Quisquiliae_25, Waterdiva_25, UncleHowie_25, LemonSlice_25, Chipette_26, DonSanchon_24, Legolas_24, Cannibal_25, Gophee_25, HSavage_25, PallasAthena_25, Eremos_25, Morgushi_25, Dice_24, JacAttac_25, Carthage_23, Riggan_25, Puhltonio_25, Dione_24, Sheila_25, Mesh1_25, Samaymay_25, Timmi_24, True_24, Katniss_25, Daka_25, Squiggle_25, Thunderbird_24, TomBombadil_25, Lehmann_25, AltPhacts_25, Phipps_25, Kloppinator_25, Craff_25, PhatCats2014_25, Zaider_26, Piglet_0024, Roscoe_26, Suffolk_25, HenryJackson_24, Phunky_25, Phamished_25, Fringe_25, Vaticameos_25, BlueHusk_25, SallyH_25, Robyn_24, Orfeu_24, Podrick_25, GreenChile_25, FriarPreacher_25, Soto_25, Aonishiki_25, ShiVal_25, Tooj_25, RedMaple_24, Pacifista_24, Anderson_25, Aelin_24, Jiraiya_24, Tomlarah_25, Vortex_25, Vivaldi_25

- Track 6 : DelRivs_24, Soile_25
- Track 7 : LasagnaCat_25
- Track 8 : Imvubu_19
- Track 9 : Indlovu_23
- Track 10 : LilMcDreamy_22
- Track 11 : LittleMinkey_30, BirdsNest_28
- Track 12 : Hashim76_29
- Track 13 : Zenteno07_29
- Track 14 : Boyle_27
- Track 15 : Mulaychimus_26, Bernardo_26, Baloo_26, Briakila_26, Ben11_25, TinyTerror_26, MmasiCarm_26, GlenHope_27, Chentzyk_25, Audrey_26, Pipefish_26, Chalmers_26, Phlyer_26, Tydolla_26, SlippinJimmy_26, Marley1013_26, Heathcliff_26, Yahalom_26, Akoma_26, Kronus_25, Halfpint_25, Gadget_27, Gervas_26, Morty007_26, Mortcellus_25
- Track 16 : OrangeOswald_26, Olivio_25, LestyG_26, Yinz_26, Chandler_26, RagingRooster_26, ChaChing_26, Athena_27, Glubnar_27, Neos5_26, Corofin_26, Phayeta_26, Rita1961_26, SwainyDoc_26, Devonte_26, Obutu_26, Philly_25, Abinghost_26, Deenasa_26, Nozo_26, Shenandoah_26, SynergyX_26, Compostia_27, Casbah_25, Kamiyu_26
- Track 17 : RomaT_26, HarveySr_26, Daisy_26
- Track 18 : Marlia_26
- Track 19 : Hally898_22, Ahwei_22, Antihero_22, Poster_22, Lambano_22, Epah_22, GinPorsche_22, Nanao_22
- Track 20 : Magpie_22, Hangman_23, Waleliano_23, BrownCNA_24, Mithril_23, JaguarMi_23, JoyceMaria_23, Zemanar_24, Heath_22
- Track 21 : VioletZ_23
- Track 22 : Nigel_21
- Track 23 : QueenPie_22
- Track 24 : Renkei_22, ChrisnMich_22, LittleDigger_22
- Track 25 : Stinger_21
- Track 26 : Prince_23, Mudslide_23, RawrgerThat_23, Frederick_23, Fortunato_23, Apex_23, Austelle_24, BobbyK_23
- Track 27 : Fanaw_22

- Track 28 : Xincheng_22
- Track 29 : JAMaL_23
- Track 30 : Cooper_23
- Track 31 : AlanGrant_24, Vincenzo_24
- Track 32 : Hydro_23, Lolalove_23
- Track 33 : Rita130_25, Acadian_25, Donny_25, Suigeneris_25, SirJeffery_25, Reccee_26
- Track 34 : Phelemich_25, Reprobate_25
- Track 35 : Serendipitous_24
- Track 36 : StinkyVeggy_27, KarasumaRum_27
- Track 37 : Shenyu_25, DigitDog_25, Nangang_25
- Track 38 : Rich_24, Bae_24
- Track 39 : EastView9101_24
- Track 40 : Mysterious_25, Nehemiah_24
- Track 41 : KayaCho_21
- Track 42 : Hosp_019
- Track 43 : 40BC_021, 39HC_021
- Track 44 : ForDig_21
- Track 45 : Jolie1_021
- Track 46 : Saguaro_26
- Track 47 : Thonko_24
- Track 48 : PenguinLover67_27
- Track 49 : Funsized_28
- Track 50 : Quesadilla_26
- Track 51 : Knocker_27
- Track 52 : CRB2_27
- Track 53 : Rinkes_28
- Track 54 : Zuko_15
- Track 55 : KimJongPhill_18
- Track 56 : Mutzi_28
- Track 57 : TillyBobJoe_26, Halo3_27, ClamChowder_28, Gezellig_26, KimmyK_28, PinkCoffee_28, Salvador_26, Twister6_28, Arri_29, VanDeWege_29, Valary_29, Togo_26, Danyall_28, Jambalaya_26, Portcullis_26, RogerDodger_29, Evamon_26, Phlop_26, Savbucketdawg_26, Wizard_26, PullumCavea_26, Fugax_28, CoveyB_28, Nubi_26, Shinji_26, SmokingBunny_26, Fireball_27, Barb_28, CherryCola_30
- Track 58 : Egi03_26
- Track 59 : Bakery_27, YungMoney_28
- Track 60 : Clown_30
- Track 61 : ChadMasterC_30, Sanjuju_28, Shivanishola_31, Keitabear_30, Stultus_28, Kamashten_29, Charming_30, Affeca_28, Barsten_30, Kewpiedoll_29, Angelicage_28, Vivi2_32, Thing3_29
- Track 62 : Tycho_29, Baumdotcom_29, Ashertheman_30, Tangerine_29, Gustavo_29, LilHam_27, SchottB_28, Saronaya_29, StorminNorm_29, Kroos_30, Kwobi_31
- Track 63 : Bibwit_29, Sedona_30
- Track 64 : Gaea_29, Ribeye_30, Derg_25, Bizzy_30, Flatwoods_30, Baddon_29
- Track 65 : BobBob_27, Nordenberg_24, Brandonk123_31, Fosterous_28, McKinley_32, Tangent_30, Rofo_30, Geodirt_27, Love_33, Galadriel_30
- Track 66 : JKSyngboy_27
- Track 67 : Ailee_28
- Track 68 : Jabberwocky_28
- Track 69 : MoontowerMania_29
- Track 70 : FuegoCuervo_32

- Track 71 : McCrothy_30
- Track 72 : YorkOnyx_30
- Track 73 : Sitar_30, Lennon_30, Fitzgerald_28
- Track 74 : RiverRaider_30
- Track 75 : Paries_32
- Track 76 : Leonard_28, Phinally_28
- Track 77 : Hans_30, Phauci_21, MelBins_29
- Track 78 : Ali17_26
- Track 79 : Belphegor_28
- Track 80 : EMOore_26
- Track 81 : Inspectinfecti_29
- Track 82 : Twonlo_25
- Track 83 : Tiamoceli_28, EdmundFerry_26, Chickadee_27
- Track 84 : GTE6_27
- Track 85 : RoadKill_25
- Track 86 : Dextert_28, Kwekel_27
- Track 87 : Natkenzie_30, Sampson_30, Scioto_30, Abblin_30, APunk_31
- Track 88 : BigHunkinEater_32, Zitch_31
- Track 89 : Zipp_29
- Track 90 : Delrey21_29, DoctorFroggo_29, Verity_29
- Track 91 : Tardus_31
- Track 92 : ViaConlectus_30
- Track 93 : Pumpkiney_31
- Track 94 : Lilbeanie_25
- Track 95 : GodonK_84, Phendrix_82
- Track 96 : CaiB_24
- Track 97 : BiggityBass_22
- Track 98 : AksarBAT_22
- Track 99 : Blackpen_24, CloverMinnie_24, MossRose_24, AnarQue_24
- Track 100 : CharlottesWeb_22
- Track 101 : Wooper_24, TraderJ_24, Yeshua_24
- Track 102 : AnClar_23
- Track 103 : Fresco_22, Axumite_22, Shatter_22, Ligma_22
- Track 104 : Yago84_22, Sisko_22
- Track 105 : MakoManhole_24, FelixTres_24
- Track 106 : LittleMunchkin_24
- Track 107 : BobRoss2024_21
- Track 108 : Sour_26
- Track 109 : Mariokart_22
- Track 110 : Evaa_23
- Track 111 : Coldpizza_25
- Track 112 : Mashley_31, Gazebo_32, Blab_31, AluminumJesus_31
- Track 113 : MorillMayhem_32, Sillytadpoles_33, Phabia_33, Jehoshaphat_35, Teehee_34, BaconCheese_36, Lonelysoil_32, Zhafia_35, Wheelie_32, DonaldDuck_32, Casend_34, Llemily_32, Wayne3_34
- Track 114 : Kelcole_31
- Track 115 : Pepe25_31, Wilca_32, BirdInFrench_32
- Track 116 : Fransoyer_35
- Track 117 : Nike_33, Zagie_33, Hyperion_32, Grassboy_34, Mila11_36, Squash_35, StrawberryJamm_35, Kyva_35, Namago_33, Rowlf_29, Mentos_38
- Track 118 : SallyK_34
- Track 119 : Quammi_31, Viceroy_32
- Track 120 : SadLad_37

- Track 121 : OneinaGillian_32, Fregley_33, CandC_31, KillerQueen_33
- Track 122 : WheelerS25_38
- Track 123 : Fizzles_33
- Track 124 : BabyDotz_32, Statler_34
- Track 125 : Rudy_31
- Track 126 : RobinRose_34, Romm_34
- Track 127 : Marcie_37
- Track 128 : EverythinBagel_32
- Track 129 : SlySloth_35
- Track 130 : Tissue_33, Judebell_35, FrankDeliGuy_30
- Track 131 : Tempo_32
- Track 132 : Altheas_35
- Track 133 : RubyRalph_35
- Track 134 : Phinky_39
- Track 135 : Taptic_19, PR_19, Megabear_19, Cepens_19, D12_19
- Track 136 : GodPhather_20, Argie_20, Jeon_19
- Track 137 : Pine5_25
- Track 138 : TPA2_31
- Track 139 : Kithara_33
- Track 140 : Sunfish_41

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 41, it was called in 216 of the 578 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_25, AbsoluteMadLad_24, Adriana_25, Aelin_24, AltPhacts_25, Altwerkus_24, Anderson_25, Andre_25, AngelCake_25, Antonia_24, Aonishiki_25, Badfish_25, Banjo_24, Basato_26, Beaglebox_24, Bishoperium_24, BlackStallion_25, BlueHusk_25, Bluephacebaby_24, Boehler_25, BoogieWoogie_24, Boyle_27, Buckeye_25, Burr_24, CamL_25, CampRoach_25, Cannibal_25, Carthage_23, Charles1_25, CheetO_25, Cher_24, Childish_24, Chipette_26, Chorkpop_25, Chunky_25, Cobra_25, Colbert_25, Cornobble_24, Cosmolli16_24, Craff_25, Crownjwl_25, Daffy_25, Daka_25, Dice_24, Dingo_25, Dione_24, DirtJuice_25, DoesntMatter_25, DolOn_26, DonSanchon_24, Emiris_25, EmpTee_25, Eremos_25, Eugenia_25, Fang_25, FluffyNinja_25, Fozzie_24, Frankicide_25, FremontTroll_25, Freya_24, FriarPreacher_25, Fringe_25, FugateOSU_24, Gareth_24, Giraffe_25, Gophee_25, Grand2040_24, GreenChile_25, Gwilliam_25, Gyarad_0025, HSavage_25, Haimas_25, Haleema_24, Hamish_25, Harvey_25, Held_25, HenryJackson_24, Hertubise_25, Hetaeria_25, HighStump_24, Horchata_25, Inchworm_25, Inverness_25, Iridoclysis_25, IsaacEli_25, JacAttac_25, JangoPhett_25, Jesabah_25, Jillium_24, Jiraiya_24, KLucky39_25, Kahve_24, Katniss_25, Kikipoo_25, Kimbrough_25, KingVeVeVe_25, KlimbOn_25, Kloppinator_25, Kwadwo_24, LasagnaCat_25, Lasso_25, LeeLot_25, Lego3393_25, Legolas_24, Lehmann_25, LeiMonet_25, LemonSlice_25, Lopsy_24, LostAndPhound_24, LuckyMarjie_24, Lulumae_24, Lulwa_25, Lumine_24, MRabcd_24, Mana_24, Manad_24, Maru_24, Matalotodo_25, Mcshane_24, Mecca_24, Megamind20_25, Megatron_25, Mesh1_25, Mesmerelda_24, Mikota_25, MiniBoss_25, MitKao_25, Morgushi_25, Morty_25, Mosaic_24, Mulan_24,

Murdoc_25, Mutante_24, Nacho_0025, Newman_25, Nicole21_25, Numberten_25, Nyala_24, Olak_24, Olive_25, OliverWalter_25, Omniscient_25, OneBrain_25, Oosterbaan_25, Orfeu_24, Orion_25, Orwigg_24, PG1_25, Pacifista_24, PallasAthena_25, Phamished_25, Phareon_25, PhatCats2014_25, Pherdinand_25, Phipps_25, PhrodoBaggins_24, Phunky_25, Piglet_0024, PinheadLarry_25, Pipsqueak_25, Placalicious_24, Plmatters_25, Podrick_25, Pops_25, Potter_24, Prickles_25, ProfessorX_25, Puhltonio_25, QueenBeane_25, Quisquilliae_25, RedMaple_24, RedRaider89_25, Ricotta_24, Riggan_25, Riverton_24, Robyn_24, Roliet_25, Roscoe_26, Roy17_25, SDcharge11_25, SallyH_25, Samaymay_25, SassyCat97_24, Schadenfreude_24, Scoot17C_25, Scrick_25, Selr12_25, Serendipity_25, Serpentine_0025, ShadowBud_25, Sheila_25, ShiVal_25, Sigman_25, SilverBell_25, Simielle_24, Skippy_25, Slatt_25, Solosis_24, Sophia_24, Soto_25, Spartan300_25, Squid_25, Squiggle_25, Suffolk_25, Surely_25, Swish_25, TallGrassMM_25, Telesworld_24, Thora_25, ThreeOh3D2_25, Thunderbird_24, Timmi_24, TomBombadil_25, Tomlarah_25, Toni_24, TooFast2Furius_26, Tooj_25, Triad_25, True_24, UAch1_25, UncleHowie_25, Usavi_25, Valjean_25, Vaticameos_25, Virapocalypse_25, Vista_25, Vivaldi_25, Vortex_25, Waterdiva_25, Xavier_24, Yoshand_25, YouGoGlencoco_25, Zaider_26, Zelda_25,

Genes that have the "Most Annotated" start but do not call it:

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Genes that do not have the "Most Annotated" start:

- 39HC_021, 40BC_021, APunk_31, Abblin_30, Abinghost_26, Acadian_25, Affeca_28, Ahwei_22, Ailee_28, Akoma_26, AksarBAT_22, AlanGrant_24, Aleia_25, Ali17_26, Altheas_35, AluminumJesus_31, AnClar_23, AnarQue_24, Angelicage_28, Antihero_22, Apex_23, Apizium_24, Argie_20, Arri_29, Ashertheman_30, Ashraf_24, Athena_27, Audrey_26, Austelle_24, Axumite_22, BabyDotz_32, BaconCheese_36, Baddon_29, Bae_24, Bakery_27, Baloo_26, Barb_28, Barsten_30, BatteryCK_24, Baumdotcom_29, Belphegor_28, Ben11_25, Bernardo_26, Bibwit_29, BigHunkinEater_32, BiggityBass_22, BirdInFrench_32, BirdsNest_28, Bizzy_30, Blab_31, Blackpen_24, BlacksBerry_24, BobBob_27, BobRoss2024_21, BobbyK_23, Brandonk123_31, Briakila_26, Brilliant_25, BrownCNA_24, CRB2_27, CaiB_24, CandC_31, Casbah_25, Casend_34, Caspiroi_24, Cepens_19, ChaChing_26, ChadMasterC_30, Chaelin_24, Chalmers_26, Chandler_26, CharlieGBrown_24, CharlottesWeb_22, Charming_30, Chentzyk_25, CherryCola_30, Chickadee_27, ChrisnMich_22, Chute_24, ClamChowder_28, CloverMinnie_24, Clown_30, Coldpizza_25, Coletti_25, Compostia_27, Cooper_23, Cornbread_24, Corofin_26, CoveyB_28, D12_19, DaddyDaniels_25, Daisy_26, Danyall_28, Dati_25, Deenasa_26, DelRivs_24, Delrey21_29, Derg_25, Derpp_24, Devonte_26, Dextert_28, DigitDog_25, DoctorFroggo_29, Doddsville_25, DonaldDuck_32, Donny_25, Dori_22, DuchessDung_23, Duggie_24, Durga_25, EMoore_26, EastView9101_24, EdmundFerry_26, Egi03_26, ElvisPhasley_25, Epah_22, Etaye_25, Evaa_23, Evamon_26, EverythinBagel_32, Fanaw_22, FelixTres_24, Fireball_27, Fitzgerald_28, Fizzles_33, Flake_26, Flatwoods_30, FleetyMac_24, ForDig_21, Fortunato_23, Fosterous_28, FrankDeliGuy_30, Fransoyer_35, Frederick_23, Fregley_33, Fresco_22, FuegoCuervo_32, Fugax_28, Funsized_28, GTE6_27, Gadjet_27, Gaea_29, Galadriel_30, Gazebo_32, GeneCoco_25, Geodirt_27, Gervas_26, Gezellig_26, GinPorsche_22, GlenHope_27, Glubnar_27, GodPhather_20, GodonK_84, Grassboy_34, Gustavo_29, Gwennie1_25, Halfpint_25, Hally898_22, Halo3_27, Hangman_23, Hans_30, Happabalu_25, Hartsy_25, HarveySr_26, Hashim76_29, Heath_22, Heathcliff_26, Hekos_22, Hocus_24, HogWash_24, Hosp_019, Hydro_23, Hyperion_32, ImtiyazSitla_24, Invubu_19,

Indlovu_23, Inspectinfecti_29, Iridessa_25, JAMaL_23, JDog_24, JKSyngboy_27, Jabberwocky_28, JaguarMi_23, JakeO_24, Jambalaya_26, Jehoshaphat_35, Jeon_19, Jiminy_24, Jolie1_021, JoyceMaria_23, Judebell_35, Kailash_25, Kamashten_29, Kamiyu_26, KarasumaRum_27, Karn_24, KayaCho_21, Keitabear_30, Keitherie_25, Kelcole_31, Kewpiedoll_29, Khan1_25, KillerQueen_33, KimJongPhill_18, KimmyK_28, Kithara_33, Knocker_27, Kronus_25, Kroos_30, Kwekel_27, Kwksand96_24, Kwobi_31, Kyva_35, Labeouficaum_24, Lambano_22, Larson_26, Lennon_30, Leonard_28, LestyG_26, Ligma_22, LilHam_27, LilMcDreamy_22, Lilbeanie_25, LittleDigger_22, LittleMinkey_30, LittleMunchkin_24, Llemily_32, Lolalove_23, Lonelysoil_32, Longacauda_24, Love_33, Mag7_24, Magic8_25, Magpie_22, MakoManhole_24, Mao1_21, Marcie_37, Mariokart_22, Marley1013_26, Marlia_26, Mashley_31, Mask_22, Maskar_24, McCrothy_30, McKinley_32, Megabear_19, MelBins_29, Melc17_25, MelsMeow_24, Mentos_38, MichaelPhcott_24, Mila11_36, Mithril_23, MmasiCarm_26, MoontowerMania_29, MorillMayhem_32, Mortcellus_25, Morty007_26, MossRose_24, MrPhizzler_25, Mudslide_23, Mulaychimus_26, Mutzi_28, Mysterious_25, Namago_33, Nanao_22, Nangang_25, Nathan_25, Natkenzie_30, Nehemiah_24, Neos5_26, Nigel_21, Nike_33, Nordenberg_24, Nozo_26, Nubi_26, OSmaximus_25, Obutu_26, Oline_24, Olivio_25, OneinaGillian_32, OrangeOswald_26, PR_19, Paries_32, PenguinLover67_27, Pepe25_31, Phabia_33, PhatLouie_25, Phauci_21, Phayeta_26, Phelemich_25, Phendrix_82, PhenghisKhan_24, Phergie_24, Philly_25, Phinally_28, Phinky_39, Phleuron_24, Phlop_26, Phlyer_26, PhrankReynolds_24, Pine5_25, PinkCoffee_28, Pinkman_24, Pipefish_26, Plata_25, Portcullis_26, Poster_22, Prince_23, PullumCavea_26, Pumpkiney_31, Quammi_31, QueenPie_22, Quesadilla_26, RagingRooster_26, RawrgerThat_23, Reccee_26, Renkei_22, Reprobate_25, Ribeye_30, Rich_24, Rimu_25, Rinkes_28, Rita130_25, Rita1961_26, RiverRaider_30, RoadKill_25, RobinRose_34, Rofo_30, RogerDodger_29, RomaT_26, Romm_34, Rowlf_29, RubyRalph_35, Rudy_31, SadLad_37, Saguaro_26, SallyK_34, Salvador_26, Sampson_30, Sanjuju_28, Saronaya_29, Savbucketdawg_26, SchottB_28, Schueller_24, Scioto_30, Sedona_30, Sejanus_22, Serendipitous_24, Shatter_22, Shenandoah_26, Shenyu_25, Shinji_26, Shivanishola_31, Sillytadpoles_33, SirBeauregard_24, SirJeffery_25, Sisko_22, Sitar_30, SlippinJimmy_26, SlySloth_35, SmokingBunny_26, Soile_25, Sour_26, Squash_35, Statler_34, Stinger_21, StinkyVeggy_27, StorminNorm_29, StrawberryJamm_35, Struggle_24, Stultus_28, Suigeneris_25, Sunfish_41, SwainyDoc_26, Swiphy_25, SynergyX_26, TPA2_31, Tangent_30, Tangerine_29, Taptic_19, Tardus_31, Teehee_34, Tempo_32, Thing3_29, Thonko_24, Tiamoceli_28, TillyBobJoe_26, TinyTerror_26, Tissue_33, Togo_26, TraderJ_24, Trypo_25, Twister6_28, Twonlo25, Tycho_29, Tydolla_26, TyrionL_24, Vaishali24_24, Valary_29, VanDeWege_29, Veritas_24, Verity_29, ViaConlectus_30, Viceroy_32, Vincenzo_24, VioletZ_23, Virgeve_24, Vivi2_32, Waleliano_23, Wallhey_24, Wayne3_34, Weher20_25, WheelerS25_38, Wheelie_32, Wilca_32, Windsor_24, Wizard_26, Wooper_24, Xincheng_22, Yago84_22, Yahalom_26, Yeshua_24, Yinz_26, YorkOnyx_30, YungMoney_28, Zagie_33, Zemanar_24, Zenteno07_29, Zhafia_35, Zipp_29, Zitch_31, Zonia_25, Zuko_15,

Summary by start number:

Start 36:

- Found in 3 of 668 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 578
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Sour_26 (DR),

Start 38:

- Found in 7 of 668 (1.0%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: TPA2_31 (singleton),

Start 40:

- Found in 86 of 668 (12.9%) of genes in pham
- Manual Annotations of this start: 68 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 39HC_021 (B6), 40BC_021 (B6), Aleia_25 (B1), Apizium_24 (B1), Ashraf_24 (B1), BatteryCK_24 (B1), BlacksBerry_24 (B1), Brilliant_25 (B1), Caspiboi_24 (B1), Chaelin_24 (B1), CharlieGBrown_24 (B1), Chute_24 (B1), Coletti_25 (B1), Cornbread_24 (B1), DaddyDaniels_25 (B1), Dati_25 (B1), DelRivs_24 (B1), Derpp_24 (B1), Doddsville_25 (B1), DuchessDung_23 (B1), Duggie_24 (B1), Durga_25 (B1), ElvisPhasley_25 (B1), Etaye_25 (B1), Flake_26 (B1), FleetyMac_24 (B1), ForDig_21 (B6), GeneCoco_25 (B1), GodonK_84 (DK), Gwennie1_25 (B1), Happabalu_25 (B1), Hartsy_25 (B1), Hekos_22 (B1), Hocus_24 (B1), HogWash_24 (B1), Hosp_019 (B6), ImtiyazSitla_24 (B1), Indlovu_23 (B11), Iridessa_25 (B1), JDog_24 (B1), JakeO_24 (B1), Jiminy_24 (B1), Jolie1_021 (B6), Kailash_25 (B1), Karn_24 (B1), KayaCho_21 (B6), Keitherie_25 (B1), Khan1_25 (B1), Kwksand96_24 (B1), Labeouficaum_24 (B1), Larson_26 (B1), Longacauda_24 (B1), Mag7_24 (B1), Magic8_25 (B1), Maskar_24 (B1), Melc17_25 (B1), MelsMeow_24 (B1), MichaelPhcott_24 (B1), MrPhizzler_25 (B1), Nathan_25 (B1), OSmaximus_25 (B1), Oline_24 (B1), PhatLouie_25 (B1), Phendrix_82 (DK), PhenghisKhan_24 (B1), Phergie_24 (B1), Phleuron_24 (B1), PhrankReynolds_24 (B1), Pine5_25 (singleton), Pinkman_24 (B1), Plata_25 (B1), Rimu_25 (B1), Schueller_24 (B1), SirBeauregard_24 (B1), Soile_25 (B1), Struggle_24 (B1), Swiphy_25 (B1), Trypo_25 (B1), TyrionL_24 (B1), Vaishali24_24 (B1), Veritas_24 (B1), Virgeve_24 (B1), Wallhey_24 (B1), Weher20_25 (B1), Windsor_24 (B1), Zonia_25 (B1),

Start 41:

- Found in 234 of 668 (35.0%) of genes in pham
- Manual Annotations of this start: 216 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ABU_25 (B1), AbsoluteMadLad_24 (B1), Adriana_25 (B1), Aelin_24 (B1), AltPhacts_25 (B1), Altwerkus_24 (B1), Anderson_25 (B1), Andre_25 (B1), AngelCake_25 (B1), Antonia_24 (B1), Aonishiki_25 (B1), Badfish_25 (B1), Banjo_24 (B1), Basato_26 (B1), Beaglebox_24 (B1), Bishoperium_24 (B1), BlackStallion_25 (B1), BlueHusk_25 (B1), Bluephacebaby_24 (B1), Boehler_25 (B1), BoogieWoogie_24 (B1), Boyle_27 (B2), Buckeye_25 (B1), Burr_24 (B1), CamL_25 (B1), CampRoach_25 (B1), Cannibal_25 (B1), Carthage_23 (B1), Charles1_25 (B1), CheetO_25 (B1), Cher_24 (B1), Childish_24 (B1), Chipette_26 (B1), Chorkpop_25 (B1), Chunky_25 (B1), Cobra_25 (B1), Colbert_25 (B1), Cornobble_24 (B1), Cosmolli16_24 (B1), Craff_25 (B1), Crownjwi_25 (B1), Daffy_25 (B1), Daka_25 (B1), Dice_24 (B1), Dingo_25 (B1), Dione_24 (B1), DirtJuice_25 (B1), DoesntMatter_25 (B1), DolOn_26 (B1), DonSanchon_24 (B1), Emiris_25 (B1), EmpTee_25 (B1), Eremos_25 (B1), Eugenia_25 (B1), Fang_25 (B1), FluffyNinja_25 (B1), Fozzie_24 (B1), Frankicide_25 (B1), FremontTroll_25 (B1), Freya_24 (B1), FriarPreacher_25 (B1), Fringe_25 (B1), FugateOSU_24 (B1), Gareth_24 (B1), Giraffe_25 (B1), Gophee_25 (B1), Grand2040_24 (B1), GreenChile_25 (B1), Gwilliam_25 (B1), Gyarad_0025 (B1), HSavage_25 (B1),

Haimas_25 (B1), Haleema_24 (B1), Hamish_25 (B1), Harvey_25 (B1), Held_25 (B1), HenryJackson_24 (B1), Hertubise_25 (B1), Hetaeria_25 (B1), HighStump_24 (B1), Horchata_25 (B1), Inchworm_25 (B1), Inverness_25 (B1), Iridoclysis_25 (B1), IsaacEli_25 (B1), JacAttac_25 (B1), JangoPhett_25 (B1), Jesabah_25 (B1), Jillium_24 (B1), Jiraiya_24 (B1), KLucky39_25 (B1), Kahve_24 (B1), Katniss_25 (B1), Kikipoo_25 (B1), Kimbrough_25 (B1), KingVeVeVe_25 (B1), KlimbOn_25 (B1), Kloppinator_25 (B1), Kwadwo_24 (B1), LasagnaCat_25 (B1), Lasso_25 (B1), LeeLot_25 (B1), Lego3393_25 (B1), Legolas_24 (B1), Lehmann_25 (B1), LeiMonet_25 (B1), LemonSlice_25 (B1), Lopsy_24 (B1), LostAndPhound_24 (B1), LuckyMarjie_24 (B1), Lulumae_24 (B1), Lulwa_25 (B1), Lumine_24 (B1), MRabcd_24 (B1), Mana_24 (B1), Manad_24 (B1), Maru_24 (B1), Matalotodo_25 (B1), Mcshane_24 (B1), Mecca_24 (B1), Megamind20_25 (B1), Megatron_25 (B1), Mesh1_25 (B1), Mesmerelda_24 (B1), Mikota_25 (B1), MiniBoss_25 (B1), MitKao_25 (B1), Morgushi_25 (B1), Morty_25 (B1), Mosaic_24 (B1), Mulan_24 (B1), Murdoc_25 (B1), Mutante_24 (B1), Nacho_0025 (B1), Newman_25 (B1), Nicole21_25 (B1), Numberten_25 (B1), Nyala_24 (B1), Olak_24 (B1), Olive_25 (B1), OliverWalter_25 (B1), Omniscient_25 (B1), OneBrain_25 (B1), Oosterbaan_25 (B1), Orfeu_24 (B1), Orion_25 (B1), Orwigg_24 (B1), PG1_25 (B1), Pacifista_24 (B1), PallasAthena_25 (B1), Phamished_25 (B1), Phareon_25 (B1), PhatCats2014_25 (B1), Pherdinand_25 (B1), Phipps_25 (B1), PhrodoBaggins_24 (B1), Phunky_25 (B1), Piglet_0024 (B1), PinheadLarry_25 (B1), Pipsqueak_25 (B1), Placalicious_24 (B1), Plmatters_25 (B1), Podrick_25 (B1), Pops_25 (B1), Potter_24 (B1), Prickles_25 (B1), ProfessorX_25 (B1), Puhltonio_25 (B1), QueenBeane_25 (B1), Quisquiliae_25 (B1), RedMaple_24 (B1), RedRaider89_25 (B1), Ricotta_24 (B1), Riggan_25 (B1), Riverton_24 (B1), Robyn_24 (B1), Roliet_25 (B1), Roscoe_26 (B1), Roy17_25 (B1), SDcharge11_25 (B1), SallyH_25 (B1), Samaymay_25 (B1), SassyCat97_24 (B1), Schadenfreude_24 (B1), Scoot17C_25 (B1), Scrick_25 (B1), Selr12_25 (B1), Serendipity_25 (B1), Serpentine_0025 (B1), ShadowBud_25 (B1), Sheila_25 (B1), ShiVal_25 (B1), Sigman_25 (B1), SilverBell_25 (B1), Simielle_24 (B1), Skippy_25 (B1), Slatt_25 (B1), Solosis_24 (B1), Sophia_24 (B1), Soto_25 (B1), Spartan300_25 (B1), Squid_25 (B1), Squiggle_25 (B1), Suffolk_25 (B1), Surely_25 (B1), Swish_25 (B1), TallGrassMM_25 (B1), Telesworld_24 (B1), Thora_25 (B1), ThreeOh3D2_25 (B1), Thunderbird_24 (B1), Timmi_24 (B1), TomBombadil_25 (B1), Tomlarah_25 (B1), Toni_24 (B1), TooFast2Furius_26 (B1), Tooj_25 (B1), Triad_25 (B1), True_24 (B1), UAch1_25 (B1), UncleHowie_25 (B1), Usavi_25 (B1), Valjean_25 (B1), Vaticameos_25 (B1), Virapocalypse_25 (B1), Vista_25 (B1), Vivaldi_25 (B1), Vortex_25 (B1), Waterdiva_25 (B1), Xavier_24 (B1), Yoshand_25 (B1), YouGoGlencoco_25 (B1), Zaider_26 (B1), Zelda_25 (B1),

Start 43:

- Found in 28 of 668 (4.2%) of genes in pham
- Manual Annotations of this start: 22 of 578
- Called 96.4% of time when present
- Phage (with cluster) where this start called: AksarBAT_22 (DR), AnClar_23 (DR), AnarQue_24 (DR), Axumite_22 (DR), BiggityBass_22 (DR), Blackpen_24 (DR), CRB2_27 (B9), CaiB_24 (DR), CharlottesWeb_22 (DR), CloverMinnie_24 (DR), Coldpizza_25 (DR), Eavaa_23 (DR), FelixTres_24 (DR), Fresco_22 (DR), Ligma_22 (DR), LittleMunchkin_24 (DR), MakoManhole_24 (DR), Mariokart_22 (DR), MossRose_24 (DR), PenguinLover67_27 (B9), Quesadilla_26 (B9), Shatter_22 (DR), Sisko_22 (DR), TraderJ_24 (DR), Wooper_24 (DR), Yago84_22 (DR), Yeshua_24 (DR),

Start 44:

- Found in 61 of 668 (9.1%) of genes in pham
- Manual Annotations of this start: 19 of 578
- Called 49.2% of time when present
- Phage (with cluster) where this start called: Acadian_25 (B5), Bae_24 (B5), BirdsNest_28 (B13), BobRoss2024_21 (DR), DigitDog_25 (B5), Donny_25 (B5), EastView9101_24 (B5), Funsized_28 (B9), Hashim76_29 (B13), Imvubu_19 (B10), KarasumaRum_27 (B5), Knocker_27 (B9), LilMcDreamy_22 (B12), LittleMinkey_30 (B13), Mysterious_25 (B5), Nangang_25 (B5), Nehemiah_24 (B5), Phelemich_25 (B5), Reccee_26 (B5), Reprobate_25 (B5), Rich_24 (B5), Rinke_28 (B9), Rita130_25 (B5), Saguario_26 (B7), Serendipitous_24 (B5), Shenyu_25 (B5), SirJeffery_25 (B5), StinkyVeggy_27 (B5), Suigeneris_25 (B5), Zenteno07_29 (B13),

Start 45:

- Found in 4 of 668 (0.6%) of genes in pham
- Manual Annotations of this start: 4 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dori_22 (AD), Mao1_21 (AD), Mask_22 (AD), Sejanus_22 (AD),

Start 46:

- Found in 96 of 668 (14.4%) of genes in pham
- Manual Annotations of this start: 76 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abinghost_26 (B3), Ahwei_22 (B4), Akoma_26 (B3), AlanGrant_24 (B4), Antihero_22 (B4), Apex_23 (B4), Athena_27 (B3), Audrey_26 (B3), Austelle_24 (B4), Baloo_26 (B3), Ben11_25 (B3), Bernardo_26 (B3), BobbyK_23 (B4), Briakila_26 (B3), BrownCNA_24 (B4), Casbah_25 (B3), ChaChing_26 (B3), Chalmers_26 (B3), Chandler_26 (B3), Chentzyk_25 (B3), ChrisnMich_22 (B4), Compostia_27 (B3), Cooper_23 (B4), Corofin_26 (B3), Daisy_26 (B3), Deenasa_26 (B3), Devonte_26 (B3), Epah_22 (B4), Fanaw_22 (B4), Fortunato_23 (B4), Frederick_23 (B4), Gadget_27 (B3), Gervas_26 (B3), GinPorsche_22 (B4), GlenHope_27 (B3), Glubnar_27 (B3), Halfpint_25 (B3), Hally898_22 (B4), Hangman_23 (B4), HarveySr_26 (B3), Heath_22 (B4), Heathcliff_26 (B3), Hydro_23 (B4), JAMaL_23 (B4), JaguarMi_23 (B4), JoyceMaria_23 (B4), Kamiyu_26 (B3), Kithara_33 (singleton), Kronus_25 (B3), Lambano_22 (B4), LestyG_26 (B3), LittleDigger_22 (B4), Lolalove_23 (B4), Magpie_22 (B4), Marley1013_26 (B3), Marlia_26 (B3), Mithril_23 (B4), MmasiCarm_26 (B3), Mortcellus_25 (B3), Morty007_26 (B3), Mudslide_23 (B4), Mulaychimus_26 (B3), Nanao_22 (B4), Neos5_26 (B3), Nigel_21 (B4), Nozo_26 (B3), Obutu_26 (B3), Olivio_25 (B3), OrangeOswald_26 (B3), Phayeta_26 (B3), Philly_25 (B3), Phlyer_26 (B3), Pipefish_26 (B3), Poster_22 (B4), Prince_23 (B4), QueenPie_22 (B4), RagingRooster_26 (B3), RawrgerThat_23 (B4), Renkei_22 (B4), Rita1961_26 (B3), RomaT_26 (B3), Shenandoah_26 (B3), SlippinJimmy_26 (B3), Stinger_21 (B4), SwainyDoc_26 (B3), SynergyX_26 (B3), Thonko_24 (B8), TinyTerror_26 (B3), Tydolla_26 (B3), Vincenzo_24 (B4), VioletZ_23 (B4), Waleliano_23 (B4), Xincheng_22 (B4), Yahalom_26 (B3), Yinz_26 (B3), Zemanar_24 (B4),

Start 47:

- Found in 8 of 668 (1.2%) of genes in pham
- Manual Annotations of this start: 8 of 578
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Argie_20 (W), Cepens_19 (W), D12_19 (W), GodPhather_20 (W), Jeon_19 (W), Megabear_19 (W), PR_19 (W), Taptic_19 (W),

Start 50:

- Found in 13 of 668 (1.9%) of genes in pham
- Manual Annotations of this start: 12 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BirdInFrench_32 (EG), CandC_31 (EG), Fregley_33 (EG), Kelcole_31 (EG), KillerQueen_33 (EG), Marcie_37 (EG), OneinaGillian_32 (EG), Pepe25_31 (EG), RobinRose_34 (EG), Romm_34 (EG), Sunfish_41 (singleton), Tempo_32 (EG), Wilca_32 (EG),

Start 52:

- Found in 46 of 668 (6.9%) of genes in pham
- Manual Annotations of this start: 39 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altheas_35 (EG), AluminumJesus_31 (EG), BabyDotz_32 (EG), BaconCheese_36 (EG), Blab_31 (EG), Casend_34 (EG), DonaldDuck_32 (EG), EverythinBagel_32 (EG), Fizzles_33 (EG), FrankDeliGuy_30 (EG), Fransoyer_35 (EG), Gazebo_32 (EG), Grassboy_34 (EG), Hyperion_32 (EG), Jehoshaphat_35 (EG), Judebell_35 (EG), Kyva_35 (EG), Llemily_32 (EG), Lonelysoil_32 (EG), Mashley_31 (EG), Mentos_38 (EG), Mila11_36 (EG), MorillMayhem_32 (EG), Namago_33 (EG), Nike_33 (EG), Phabia_33 (EG), Phinky_39 (EG), Quammi_31 (EG), Rowlf_29 (EG), RubyRalph_35 (EG), Rudy_31 (EG), SadLad_37 (EG), SallyK_34 (EG), Sillytadpoles_33 (EG), SlySloth_35 (EG), Squash_35 (EG), Statler_34 (EG), StrawberryJamm_35 (EG), Teehee_34 (EG), Tissue_33 (EG), Viceroy_32 (EG), Wayne3_34 (EG), WheelerS25_38 (EG), Wheelie_32 (EG), Zagie_33 (EG), Zhafia_35 (EG),

Start 53:

- Found in 8 of 668 (1.2%) of genes in pham
- Manual Annotations of this start: 8 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Baddon_29 (DE1), Bizzy_30 (DE1), Derg_25 (DE1), Flatwoods_30 (DE1), Gaea_29 (DE1), JKSyngboy_27 (DE1), Ribeye_30 (DE1), YorkOnyx_30 (DE1),

Start 57:

- Found in 1 of 668 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_25 (DE5),

Start 58:

- Found in 111 of 668 (16.6%) of genes in pham
- Manual Annotations of this start: 102 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_31 (DE4), Abblin_30 (DE4), Affeca_28 (DE1), Ailee_28 (DE1), Ali17_26 (DE2), Angelicage_28 (DE1), Arri_29 (DC1), Ashertheman_30 (DE1), Bakery_27 (DC1), Barb_28 (DC1), Barsten_30 (DE1), Baumdotcom_29 (DE1), Belphegor_28 (DE2), Bibwit_29 (DE1), BigHunkinEater_32 (DE4), BobBob_27 (DE1), Brandonk123_31 (DE1),

ChadMasterC_30 (DE1), Charming_30 (DE1), CherryCola_30 (DC1), Chickadee_27 (DE3), ClamChowder_28 (DC1), Clown_30 (DC2), CoveyB_28 (DC1), Danyall_28 (DC1), Delrey21_29 (DE4), Dextert_28 (DE3), DoctorFroggo_29 (DE4), EMOore_26 (DE2), EdmundFerry_26 (DE3), Egi03_26 (DC1), Evamon_26 (DC1), Fireball_27 (DC1), Fitzgerald_28 (DE1), Fosterous_28 (DE1), FuegoCuervo_32 (DE1), Fugax_28 (DC1), GTE6_27 (DE3), Galadriel_30 (DE1), Geodirt_27 (DE1), Gezellig_26 (DC1), Gustavo_29 (DE1), Halo3_27 (DC1), Hans_30 (DE2), Inspectinfecti_29 (DE2), Jabberwocky_28 (DE1), Jambalaya_26 (DC1), Kamashten_29 (DE1), Keitabear_30 (DE1), Kewpiedoll_29 (DE1), KimmyK_28 (DC1), Kroos_30 (DE1), Kwekel_27 (DE3), Kwobi_31 (DE1), Lennon_30 (DE1), Leonard_28 (DE2), LilHam_27 (DE1), Love_33 (DE1), McCrothy_30 (DE1), McKinley_32 (DE1), MelBins_29 (DE2), MoontowerMania_29 (DE1), Mutzi_28 (DC1), Natkenzie_30 (DE4), Nordenberg_24 (DE1), Nubi_26 (DC1), Paries_32 (DE1), Phauci_21 (DE2), Phinally_28 (DE2), Phlop_26 (DC1), PinkCoffee_28 (DC1), Portcullis_26 (DC1), PullumCavea_26 (DC1), Pumpkiney_31 (DE4), RiverRaider_30 (DE1), RoadKill_25 (DE3), Rofo_30 (DE1), RogerDodger_29 (DC1), Salvador_26 (DC1), Sampson_30 (DE4), Sanjuju_28 (DE1), Saronaya_29 (DE1), Savbucketdawg_26 (DC1), SchottB_28 (DE1), Scioto_30 (DE4), Sedona_30 (DE1), Shinji_26 (DC1), Shivanishola_31 (DE1), Sitar_30 (DE1), SmokingBunny_26 (DC1), StorminNorm_29 (DE1), Stultus_28 (DE1), Tangent_30 (DE1), Tangerine_29 (DE1), Tardus_31 (DE4), Thing3_29 (DE1), Tiamoceli_28 (DE3), TillyBobJoe_26 (DC1), Togo_26 (DC1), Twister6_28 (DC1), Twonlo_25 (DE3), Tycho_29 (DE1), Valary_29 (DC1), VanDeWege_29 (DC1), Verity_29 (DE4), ViaConlectus_30 (DE4), Vivi2_32 (DE1), Wizard_26 (DC1), YungMoney_28 (DC1), Zipp_29 (DE4), Zitch_31 (DE4),

Start 61:

- Found in 2 of 668 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: KimJongPhill_18 (BR), Zuko_15 (BR),

Summary by clusters:

There are 27 clusters represented in this pham: singleton, B10, B12, B13, BR, B11, DR, DK, AD, EG, W, DC2, DC1, DE1, DE2, DE3, DE4, DE5, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AD:

- Start number 45 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster B1:

- Start number 40 was manually annotated 63 times for cluster B1.
- Start number 41 was manually annotated 215 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 44 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 40 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 44 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 44 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 41 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster B3:

- Start number 46 was manually annotated 48 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 46 was manually annotated 26 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 44 was manually annotated 10 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 40 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:

- Start number 44 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 46 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 43 was manually annotated 3 times for cluster B9.
- Start number 44 was manually annotated 3 times for cluster B9.

Info for manual annotations of cluster BR:

- Start number 61 was manually annotated 2 times for cluster BR.

Info for manual annotations of cluster DC1:

- Start number 58 was manually annotated 31 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 58 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 53 was manually annotated 8 times for cluster DE1.
- Start number 58 was manually annotated 45 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 58 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 58 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 58 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 57 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DK:

- Start number 40 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DR:

- Start number 36 was manually annotated 1 time for cluster DR.
- Start number 43 was manually annotated 19 times for cluster DR.

Info for manual annotations of cluster EG:

- Start number 50 was manually annotated 11 times for cluster EG.
- Start number 52 was manually annotated 39 times for cluster EG.

Info for manual annotations of cluster W:

- Start number 47 was manually annotated 8 times for cluster W.

Gene Information:

Gene: 39HC_021 Start: 17860, Stop: 18273, Start Num: 40

Candidate Starts for 39HC_021:

(Start: 40 @17860 has 68 MA's), (88, 18028), (95, 18055), (123, 18172),

Gene: 40BC_021 Start: 17860, Stop: 18273, Start Num: 40

Candidate Starts for 40BC_021:

(Start: 40 @17860 has 68 MA's), (88, 18028), (95, 18055), (123, 18172),

Gene: ABU_25 Start: 18669, Stop: 19091, Start Num: 41

Candidate Starts for ABU_25:

(26, 18603), (Start: 41 @18669 has 216 MA's), (77, 18792), (79, 18798), (80, 18804), (95, 18867), (102, 18909), (125, 18987), (133, 19035), (138, 19059), (142, 19077), (143, 19083),

Gene: APunk_31 Start: 22352, Stop: 22783, Start Num: 58

Candidate Starts for APunk_31:

(35, 22292), (48, 22325), (Start: 58 @22352 has 102 MA's), (84, 22481), (93, 22511), (108, 22613), (111, 22619), (117, 22634), (132, 22691), (134, 22706), (147, 22754), (149, 22757),

Gene: Abblin_30 Start: 22964, Stop: 23395, Start Num: 58

Candidate Starts for Abblin_30:

(35, 22904), (48, 22937), (Start: 58 @22964 has 102 MA's), (84, 23093), (93, 23123), (108, 23225), (111, 23231), (117, 23246), (132, 23303), (134, 23318), (147, 23366), (149, 23369),

Gene: Abinghost_26 Start: 19363, Stop: 19776, Start Num: 46

Candidate Starts for Abinghost_26:

(Start: 46 @19363 has 76 MA's), (70, 19438), (79, 19483), (80, 19489), (104, 19621), (137, 19747),

Gene: AbsoluteMadLad_24 Start: 18670, Stop: 19092, Start Num: 41

Candidate Starts for AbsoluteMadLad_24:

(26, 18604), (Start: 41 @18670 has 216 MA's), (77, 18793), (79, 18799), (80, 18805), (95, 18868), (102, 18910), (125, 18988), (133, 19036), (138, 19060), (142, 19078), (143, 19084),

Gene: Acadian_25 Start: 19389, Stop: 19805, Start Num: 44

Candidate Starts for Acadian_25:

(Start: 44 @19389 has 19 MA's), (66, 19449), (80, 19518), (102, 19623), (105, 19653), (144, 19800),

Gene: Adriana_25 Start: 18672, Stop: 19094, Start Num: 41

Candidate Starts for Adriana_25:

(26, 18606), (Start: 41 @18672 has 216 MA's), (77, 18795), (79, 18801), (80, 18807), (95, 18870), (102, 18912), (125, 18990), (133, 19038), (138, 19062), (142, 19080), (143, 19086),

Gene: Aelin_24 Start: 18235, Stop: 18657, Start Num: 41

Candidate Starts for Aelin_24:

(26, 18169), (Start: 41 @18235 has 216 MA's), (77, 18358), (79, 18364), (80, 18370), (95, 18433), (102, 18475), (125, 18553), (133, 18601), (138, 18625), (142, 18643), (143, 18649),

Gene: Affeca_28 Start: 22852, Stop: 23286, Start Num: 58

Candidate Starts for Affeca_28:

(Start: 44 @22822 has 19 MA's), (Start: 58 @22852 has 102 MA's), (76, 22936), (93, 23011), (97, 23035), (108, 23113), (117, 23134), (134, 23206), (149, 23257),

Gene: Ahwei_22 Start: 18304, Stop: 18717, Start Num: 46

Candidate Starts for Ahwei_22:

(Start: 46 @18304 has 76 MA's), (77, 18418), (79, 18424), (80, 18430), (88, 18466), (95, 18493), (98, 18505), (101, 18517), (102, 18535), (125, 18613), (137, 18682), (143, 18709),

Gene: Ailee_28 Start: 23561, Stop: 23995, Start Num: 58

Candidate Starts for Ailee_28:

(Start: 58 @23561 has 102 MA's), (76, 23645), (93, 23720), (97, 23744), (108, 23822), (117, 23843), (134, 23915), (149, 23966),

Gene: Akoma_26 Start: 19364, Stop: 19777, Start Num: 46

Candidate Starts for Akoma_26:

(Start: 46 @19364 has 76 MA's), (79, 19484), (80, 19490), (91, 19538), (104, 19622), (137, 19748),

Gene: AksarBAT_22 Start: 17149, Stop: 17565, Start Num: 43

Candidate Starts for AksarBAT_22:

(Start: 43 @17149 has 22 MA's), (79, 17278), (102, 17392), (104, 17416),

Gene: AlanGrant_24 Start: 20089, Stop: 20502, Start Num: 46

Candidate Starts for AlanGrant_24:

(30, 20038), (Start: 46 @20089 has 76 MA's), (79, 20209), (80, 20215), (98, 20290), (102, 20320), (123, 20395), (128, 20413), (143, 20494),

Gene: Aleia_25 Start: 18248, Stop: 18670, Start Num: 40

Candidate Starts for Aleia_25:

(Start: 40 @18248 has 68 MA's), (77, 18371), (79, 18377), (80, 18383), (95, 18446), (102, 18488), (125, 18566), (133, 18614), (138, 18638), (142, 18656), (143, 18662),

Gene: Ali17_26 Start: 20746, Stop: 21177, Start Num: 58

Candidate Starts for Ali17_26:

(12, 20518), (15, 20554), (28, 20659), (48, 20719), (Start: 58 @20746 has 102 MA's), (76, 20830), (96, 20926), (108, 21007), (111, 21013), (116, 21025), (132, 21085), (137, 21109), (147, 21148), (149, 21151),

Gene: AltPhacts_25 Start: 18664, Stop: 19086, Start Num: 41

Candidate Starts for AltPhacts_25:

(26, 18598), (Start: 41 @18664 has 216 MA's), (77, 18787), (79, 18793), (80, 18799), (95, 18862), (102, 18904), (125, 18982), (133, 19030), (138, 19054), (142, 19072), (143, 19078),

Gene: Altheas_35 Start: 22433, Stop: 22843, Start Num: 52

Candidate Starts for Altheas_35:

(Start: 52 @22433 has 39 MA's), (87, 22592), (101, 22649), (102, 22667), (107, 22706), (115, 22721),

Gene: Altwerkus_24 Start: 18364, Stop: 18786, Start Num: 41

Candidate Starts for Altwerkus_24:

(26, 18298), (Start: 41 @18364 has 216 MA's), (77, 18487), (79, 18493), (80, 18499), (95, 18562), (102, 18604), (125, 18682), (133, 18730), (138, 18754), (142, 18772), (143, 18778),

Gene: AluminumJesus_31 Start: 21927, Stop: 22340, Start Num: 52

Candidate Starts for AluminumJesus_31:

(32, 21870), (Start: 52 @21927 has 39 MA's), (71, 21999), (87, 22086), (107, 22203), (115, 22218),

Gene: AnClar_23 Start: 19435, Stop: 19848, Start Num: 43

Candidate Starts for AnClar_23:

(Start: 43 @19435 has 22 MA's), (67, 19504), (80, 19570), (91, 19618), (103, 19684), (112, 19726), (137, 19825),

Gene: AnarQue_24 Start: 18618, Stop: 19028, Start Num: 43

Candidate Starts for AnarQue_24:

(Start: 43 @18618 has 22 MA's), (85, 18780), (89, 18792), (102, 18858), (104, 18882), (118, 18921), (125, 18936), (138, 19008),

Gene: Anderson_25 Start: 18662, Stop: 19084, Start Num: 41

Candidate Starts for Anderson_25:

(26, 18596), (Start: 41 @18662 has 216 MA's), (77, 18785), (79, 18791), (80, 18797), (95, 18860), (102, 18902), (125, 18980), (133, 19028), (138, 19052), (142, 19070), (143, 19076),

Gene: Andre_25 Start: 18660, Stop: 19082, Start Num: 41

Candidate Starts for Andre_25:

(26, 18594), (Start: 41 @18660 has 216 MA's), (77, 18783), (79, 18789), (80, 18795), (95, 18858), (102, 18900), (125, 18978), (133, 19026), (138, 19050), (142, 19068), (143, 19074),

Gene: AngelCake_25 Start: 18675, Stop: 19097, Start Num: 41

Candidate Starts for AngelCake_25:

(26, 18609), (Start: 41 @18675 has 216 MA's), (77, 18798), (79, 18804), (80, 18810), (95, 18873), (102, 18915), (125, 18993), (133, 19041), (138, 19065), (142, 19083), (143, 19089),

Gene: Angelicage_28 Start: 23269, Stop: 23703, Start Num: 58

Candidate Starts for Angelicage_28:

(Start: 44 @23239 has 19 MA's), (Start: 58 @23269 has 102 MA's), (76, 23353), (93, 23428), (97, 23452), (108, 23530), (117, 23551), (134, 23623), (149, 23674),

Gene: Antihero_22 Start: 18304, Stop: 18717, Start Num: 46

Candidate Starts for Antihero_22:

(Start: 46 @18304 has 76 MA's), (77, 18418), (79, 18424), (80, 18430), (88, 18466), (95, 18493), (98, 18505), (101, 18517), (102, 18535), (125, 18613), (137, 18682), (143, 18709),

Gene: Antonia_24 Start: 18235, Stop: 18657, Start Num: 41

Candidate Starts for Antonia_24:

(26, 18169), (Start: 41 @18235 has 216 MA's), (77, 18358), (79, 18364), (80, 18370), (95, 18433), (102, 18475), (125, 18553), (133, 18601), (138, 18625), (142, 18643), (143, 18649),

Gene: Aonishiki_25 Start: 18690, Stop: 19112, Start Num: 41

Candidate Starts for Aonishiki_25:

(26, 18624), (Start: 41 @18690 has 216 MA's), (77, 18813), (79, 18819), (80, 18825), (95, 18888), (102, 18930), (125, 19008), (133, 19056), (138, 19080), (142, 19098), (143, 19104),

Gene: Apex_23 Start: 19517, Stop: 19930, Start Num: 46

Candidate Starts for Apex_23:

(Start: 46 @19517 has 76 MA's), (77, 19631), (79, 19637), (80, 19643), (88, 19679), (98, 19718), (101, 19730), (102, 19748), (125, 19826), (128, 19841), (137, 19895), (138, 19898), (143, 19922),

Gene: Apizium_24 Start: 18422, Stop: 18844, Start Num: 40

Candidate Starts for Apizium_24:

(Start: 40 @18422 has 68 MA's), (68, 18494), (77, 18545), (79, 18551), (80, 18557), (95, 18620), (102, 18662), (125, 18740), (133, 18788), (138, 18812), (142, 18830), (143, 18836),

Gene: Argie_20 Start: 18470, Stop: 18880, Start Num: 47

Candidate Starts for Argie_20:

(Start: 47 @18470 has 8 MA's), (70, 18545), (79, 18590), (80, 18596), (89, 18638), (95, 18662), (100, 18683), (123, 18785), (133, 18830),

Gene: Arri_29 Start: 18253, Stop: 18696, Start Num: 58

Candidate Starts for Arri_29:

(Start: 58 @18253 has 102 MA's), (108, 18514), (149, 18670),

Gene: Ashertheman_30 Start: 22146, Stop: 22580, Start Num: 58

Candidate Starts for Ashertheman_30:

(55, 22137), (Start: 58 @22146 has 102 MA's), (76, 22230), (93, 22305), (108, 22407), (117, 22428), (132, 22485), (134, 22500), (149, 22551),

Gene: Ashraf_24 Start: 18226, Stop: 18648, Start Num: 40

Candidate Starts for Ashraf_24:

(Start: 40 @18226 has 68 MA's), (77, 18349), (79, 18355), (80, 18361), (95, 18424), (102, 18466), (125, 18544), (133, 18592), (138, 18616), (142, 18634), (143, 18640),

Gene: Athena_27 Start: 20126, Stop: 20539, Start Num: 46

Candidate Starts for Athena_27:

(Start: 46 @20126 has 76 MA's), (70, 20201), (79, 20246), (80, 20252), (104, 20384), (137, 20510),

Gene: Audrey_26 Start: 19363, Stop: 19776, Start Num: 46

Candidate Starts for Audrey_26:

(Start: 46 @19363 has 76 MA's), (79, 19483), (80, 19489), (91, 19537), (104, 19621), (137, 19747),

Gene: Austelle_24 Start: 19973, Stop: 20386, Start Num: 46

Candidate Starts for Austelle_24:

(Start: 46 @19973 has 76 MA's), (77, 20087), (79, 20093), (80, 20099), (88, 20135), (98, 20174), (101, 20186), (102, 20204), (125, 20282), (128, 20297), (137, 20351), (138, 20354), (143, 20378),

Gene: Axumite_22 Start: 17225, Stop: 17635, Start Num: 43

Candidate Starts for Axumite_22:

(Start: 43 @17225 has 22 MA's), (70, 17306), (77, 17345), (80, 17357), (89, 17399), (91, 17405), (95, 17423), (112, 17513),

Gene: BabyDotz_32 Start: 22195, Stop: 22599, Start Num: 52

Candidate Starts for BabyDotz_32:

(37, 22150), (Start: 52 @22195 has 39 MA's), (56, 22207), (62, 22231), (100, 22405), (102, 22426), (110, 22471), (115, 22480), (147, 22585), (150, 22594),

Gene: BaconCheese_36 Start: 23444, Stop: 23848, Start Num: 52

Candidate Starts for BaconCheese_36:

(32, 23387), (Start: 52 @23444 has 39 MA's), (62, 23480), (100, 23654), (102, 23675), (110, 23720), (115, 23729), (147, 23834), (150, 23843),

Gene: Baddon_29 Start: 22946, Stop: 23380, Start Num: 53

Candidate Starts for Baddon_29:

(Start: 53 @22946 has 8 MA's), (72, 23000), (76, 23030), (93, 23105), (108, 23207), (117, 23228), (134, 23300), (149, 23351),

Gene: Badfish_25 Start: 18694, Stop: 19116, Start Num: 41

Candidate Starts for Badfish_25:

(26, 18628), (Start: 41 @18694 has 216 MA's), (77, 18817), (79, 18823), (80, 18829), (95, 18892), (102, 18934), (125, 19012), (133, 19060), (138, 19084), (142, 19102), (143, 19108),

Gene: Bae_24 Start: 19145, Stop: 19561, Start Num: 44

Candidate Starts for Bae_24:

(Start: 44 @19145 has 19 MA's), (77, 19262), (80, 19274), (95, 19337), (137, 19526), (144, 19556),

Gene: Bakery_27 Start: 17507, Stop: 17950, Start Num: 58

Candidate Starts for Bakery_27:

(Start: 58 @17507 has 102 MA's), (149, 17924),

Gene: Baloo_26 Start: 19363, Stop: 19776, Start Num: 46

Candidate Starts for Baloo_26:

(Start: 46 @19363 has 76 MA's), (79, 19483), (80, 19489), (91, 19537), (104, 19621), (137, 19747),

Gene: Banjo_24 Start: 18371, Stop: 18793, Start Num: 41

Candidate Starts for Banjo_24:

(26, 18305), (Start: 41 @18371 has 216 MA's), (77, 18494), (79, 18500), (80, 18506), (95, 18569), (102, 18611), (125, 18689), (133, 18737), (138, 18761), (142, 18779), (143, 18785),

Gene: Barb_28 Start: 18286, Stop: 18729, Start Num: 58

Candidate Starts for Barb_28:

(Start: 58 @18286 has 102 MA's), (108, 18547), (149, 18703),

Gene: Barsten_30 Start: 22693, Stop: 23127, Start Num: 58

Candidate Starts for Barsten_30:

(Start: 44 @22663 has 19 MA's), (Start: 58 @22693 has 102 MA's), (76, 22777), (93, 22852), (97, 22876), (108, 22954), (117, 22975), (134, 23047), (149, 23098),

Gene: Basato_26 Start: 18896, Stop: 19318, Start Num: 41

Candidate Starts for Basato_26:

(26, 18830), (Start: 41 @18896 has 216 MA's), (77, 19019), (79, 19025), (80, 19031), (95, 19094), (102, 19136), (125, 19214), (133, 19262), (138, 19286), (142, 19304), (143, 19310),

Gene: BatteryCK_24 Start: 18248, Stop: 18670, Start Num: 40

Candidate Starts for BatteryCK_24:

(Start: 40 @18248 has 68 MA's), (68, 18320), (77, 18371), (79, 18377), (80, 18383), (95, 18446), (102, 18488), (125, 18566), (133, 18614), (138, 18638), (142, 18656), (143, 18662),

Gene: Baumdotcom_29 Start: 21761, Stop: 22195, Start Num: 58

Candidate Starts for Baumdotcom_29:

(55, 21752), (Start: 58 @21761 has 102 MA's), (76, 21845), (93, 21920), (108, 22022), (117, 22043), (132, 22100), (134, 22115), (149, 22166),

Gene: Beaglebox_24 Start: 18391, Stop: 18813, Start Num: 41

Candidate Starts for Beaglebox_24:

(26, 18325), (Start: 41 @18391 has 216 MA's), (77, 18514), (79, 18520), (80, 18526), (95, 18589), (102, 18631), (125, 18709), (133, 18757), (138, 18781), (142, 18799), (143, 18805),

Gene: Belphegor_28 Start: 22298, Stop: 22729, Start Num: 58

Candidate Starts for Belphegor_28:

(38, 22247), (48, 22271), (Start: 58 @22298 has 102 MA's), (76, 22382), (96, 22478), (108, 22559), (111, 22565), (116, 22577), (132, 22637), (134, 22652), (137, 22661), (140, 22679), (147, 22700), (149, 22703),

Gene: Ben11_25 Start: 19185, Stop: 19598, Start Num: 46

Candidate Starts for Ben11_25:

(Start: 46 @19185 has 76 MA's), (79, 19305), (80, 19311), (91, 19359), (104, 19443), (137, 19569),

Gene: Bernardo_26 Start: 19363, Stop: 19776, Start Num: 46

Candidate Starts for Bernardo_26:

(Start: 46 @19363 has 76 MA's), (79, 19483), (80, 19489), (91, 19537), (104, 19621), (137, 19747),

Gene: Bibwit_29 Start: 22880, Stop: 23314, Start Num: 58

Candidate Starts for Bibwit_29:

(Start: 58 @22880 has 102 MA's), (76, 22964), (93, 23039), (97, 23063), (108, 23141), (117, 23162), (132, 23219), (134, 23234), (149, 23285),

Gene: BigHunkinEater_32 Start: 22135, Stop: 22566, Start Num: 58

Candidate Starts for BigHunkinEater_32:

(48, 22108), (Start: 58 @22135 has 102 MA's), (76, 22219), (84, 22264), (93, 22294), (96, 22315), (108, 22396), (111, 22402), (117, 22417), (132, 22474), (134, 22489), (147, 22537), (149, 22540),

Gene: BiggityBass_22 Start: 19520, Stop: 19933, Start Num: 43

Candidate Starts for BiggityBass_22:

(Start: 43 @19520 has 22 MA's), (67, 19589), (91, 19703), (103, 19769), (137, 19910),

Gene: BirdInFrench_32 Start: 20827, Stop: 21222, Start Num: 50

Candidate Starts for BirdInFrench_32:

(Start: 50 @20827 has 12 MA's), (64, 20869), (68, 20878), (87, 20986), (121, 21127), (141, 21196), (146, 21214),

Gene: BirdsNest_28 Start: 18737, Stop: 19153, Start Num: 44

Candidate Starts for BirdsNest_28:

(Start: 44 @18737 has 19 MA's), (83, 18890), (84, 18893), (125, 19049), (128, 19064), (143, 19145),

Gene: Bishoperium_24 Start: 18377, Stop: 18799, Start Num: 41
Candidate Starts for Bishoperium_24:
(26, 18311), (Start: 41 @18377 has 216 MA's), (77, 18500), (79, 18506), (80, 18512), (95, 18575),
(102, 18617), (125, 18695), (133, 18743), (138, 18767), (142, 18785), (143, 18791),

Gene: Bizzy_30 Start: 22093, Stop: 22527, Start Num: 53
Candidate Starts for Bizzy_30:
(Start: 53 @22093 has 8 MA's), (72, 22147), (76, 22177), (93, 22252), (108, 22354), (117, 22375),
(134, 22447), (149, 22498),

Gene: Blab_31 Start: 21852, Stop: 22265, Start Num: 52
Candidate Starts for Blab_31:
(32, 21795), (Start: 52 @21852 has 39 MA's), (71, 21924), (87, 22011), (107, 22128), (115, 22143),

Gene: BlackStallion_25 Start: 18682, Stop: 19104, Start Num: 41
Candidate Starts for BlackStallion_25:
(26, 18616), (Start: 41 @18682 has 216 MA's), (77, 18805), (79, 18811), (80, 18817), (95, 18880),
(102, 18922), (125, 19000), (133, 19048), (138, 19072), (142, 19090), (143, 19096),

Gene: Blackpen_24 Start: 18036, Stop: 18446, Start Num: 43
Candidate Starts for Blackpen_24:
(Start: 43 @18036 has 22 MA's), (85, 18198), (89, 18210), (102, 18276), (104, 18300), (118, 18339),
(125, 18354), (138, 18426),

Gene: BlacksBerry_24 Start: 18386, Stop: 18808, Start Num: 40
Candidate Starts for BlacksBerry_24:
(Start: 40 @18386 has 68 MA's), (68, 18458), (77, 18509), (79, 18515), (80, 18521), (95, 18584), (102,
18626), (125, 18704), (133, 18752), (138, 18776), (142, 18794), (143, 18800),

Gene: BlueHusk_25 Start: 18178, Stop: 18600, Start Num: 41
Candidate Starts for BlueHusk_25:
(26, 18112), (Start: 41 @18178 has 216 MA's), (77, 18301), (79, 18307), (80, 18313), (95, 18376),
(102, 18418), (125, 18496), (133, 18544), (138, 18568), (142, 18586), (143, 18592),

Gene: Bluephacebaby_24 Start: 18377, Stop: 18799, Start Num: 41
Candidate Starts for Bluephacebaby_24:
(26, 18311), (Start: 41 @18377 has 216 MA's), (77, 18500), (79, 18506), (80, 18512), (95, 18575),
(102, 18617), (125, 18695), (133, 18743), (138, 18767), (142, 18785), (143, 18791),

Gene: BobBob_27 Start: 22158, Stop: 22592, Start Num: 58
Candidate Starts for BobBob_27:
(Start: 44 @22128 has 19 MA's), (Start: 58 @22158 has 102 MA's), (76, 22242), (93, 22317), (97,
22341), (108, 22419), (134, 22512), (149, 22563),

Gene: BobRoss2024_21 Start: 16983, Stop: 17393, Start Num: 44
Candidate Starts for BobRoss2024_21:
(Start: 44 @16983 has 19 MA's), (93, 17166), (98, 17193), (118, 17286), (138, 17373),

Gene: BobbyK_23 Start: 19336, Stop: 19749, Start Num: 46
Candidate Starts for BobbyK_23:
(Start: 46 @19336 has 76 MA's), (77, 19450), (79, 19456), (80, 19462), (88, 19498), (98, 19537), (101,
19549), (102, 19567), (125, 19645), (128, 19660), (137, 19714), (138, 19717), (143, 19741),

Gene: Boehler_25 Start: 18687, Stop: 19109, Start Num: 41

Candidate Starts for Boehler_25:

(26, 18621), (Start: 41 @18687 has 216 MA's), (77, 18810), (79, 18816), (80, 18822), (95, 18885), (102, 18927), (125, 19005), (133, 19053), (138, 19077), (142, 19095), (143, 19101),

Gene: BoogieWoogie_24 Start: 18364, Stop: 18786, Start Num: 41

Candidate Starts for BoogieWoogie_24:

(26, 18298), (Start: 41 @18364 has 216 MA's), (77, 18487), (79, 18493), (80, 18499), (95, 18562), (102, 18604), (125, 18682), (133, 18730), (138, 18754), (142, 18772), (143, 18778),

Gene: Boyle_27 Start: 20955, Stop: 21383, Start Num: 41

Candidate Starts for Boyle_27:

(34, 20928), (Start: 41 @20955 has 216 MA's), (49, 20970), (79, 21087), (80, 21093), (84, 21120), (91, 21141), (95, 21159), (125, 21279), (126, 21285), (137, 21348), (143, 21375),

Gene: Brandonk123_31 Start: 23227, Stop: 23661, Start Num: 58

Candidate Starts for Brandonk123_31:

(Start: 44 @23197 has 19 MA's), (Start: 58 @23227 has 102 MA's), (76, 23311), (93, 23386), (97, 23410), (108, 23488), (134, 23581), (149, 23632),

Gene: Briakila_26 Start: 20128, Stop: 20541, Start Num: 46

Candidate Starts for Briakila_26:

(Start: 46 @20128 has 76 MA's), (79, 20248), (80, 20254), (91, 20302), (104, 20386), (137, 20512),

Gene: Brilliant_25 Start: 18382, Stop: 18804, Start Num: 40

Candidate Starts for Brilliant_25:

(Start: 40 @18382 has 68 MA's), (77, 18505), (79, 18511), (80, 18517), (95, 18580), (102, 18622), (125, 18700), (133, 18748), (138, 18772), (142, 18790), (143, 18796),

Gene: BrownCNA_24 Start: 19588, Stop: 20001, Start Num: 46

Candidate Starts for BrownCNA_24:

(Start: 46 @19588 has 76 MA's), (77, 19702), (79, 19708), (80, 19714), (88, 19750), (98, 19789), (101, 19801), (102, 19819), (125, 19897), (137, 19966), (138, 19969), (143, 19993),

Gene: Buckeye_25 Start: 18701, Stop: 19123, Start Num: 41

Candidate Starts for Buckeye_25:

(26, 18635), (Start: 41 @18701 has 216 MA's), (77, 18824), (79, 18830), (80, 18836), (95, 18899), (102, 18941), (125, 19019), (133, 19067), (138, 19091), (142, 19109), (143, 19115),

Gene: Burr_24 Start: 18376, Stop: 18798, Start Num: 41

Candidate Starts for Burr_24:

(26, 18310), (Start: 41 @18376 has 216 MA's), (77, 18499), (79, 18505), (80, 18511), (95, 18574), (102, 18616), (125, 18694), (133, 18742), (138, 18766), (142, 18784), (143, 18790),

Gene: CRB2_27 Start: 21048, Stop: 21482, Start Num: 43

Candidate Starts for CRB2_27:

(Start: 43 @21048 has 22 MA's), (66, 21111), (67, 21114), (79, 21174), (80, 21180), (88, 21216), (95, 21243), (98, 21255), (125, 21363), (137, 21432),

Gene: CaiB_24 Start: 18604, Stop: 19014, Start Num: 43

Candidate Starts for CaiB_24:

(Start: 43 @18604 has 22 MA's), (89, 18778), (125, 18922),

Gene: CamL_25 Start: 18675, Stop: 19097, Start Num: 41

Candidate Starts for CamL_25:

(26, 18609), (Start: 41 @18675 has 216 MA's), (77, 18798), (79, 18804), (80, 18810), (95, 18873), (102, 18915), (125, 18993), (133, 19041), (138, 19065), (142, 19083), (143, 19089),

Gene: CampRoach_25 Start: 18668, Stop: 19090, Start Num: 41

Candidate Starts for CampRoach_25:

(26, 18602), (Start: 41 @18668 has 216 MA's), (77, 18791), (79, 18797), (80, 18803), (95, 18866), (102, 18908), (125, 18986), (133, 19034), (138, 19058), (142, 19076), (143, 19082),

Gene: CandC_31 Start: 20527, Stop: 20922, Start Num: 50

Candidate Starts for CandC_31:

(Start: 50 @20527 has 12 MA's), (68, 20578), (87, 20686), (102, 20761), (121, 20827), (146, 20914),

Gene: Cannibal_25 Start: 18661, Stop: 19083, Start Num: 41

Candidate Starts for Cannibal_25:

(26, 18595), (Start: 41 @18661 has 216 MA's), (77, 18784), (79, 18790), (80, 18796), (95, 18859), (102, 18901), (125, 18979), (133, 19027), (138, 19051), (142, 19069), (143, 19075),

Gene: Carthage_23 Start: 17587, Stop: 18009, Start Num: 41

Candidate Starts for Carthage_23:

(26, 17521), (Start: 41 @17587 has 216 MA's), (77, 17710), (79, 17716), (80, 17722), (95, 17785), (102, 17827), (125, 17905), (133, 17953), (138, 17977), (142, 17995), (143, 18001),

Gene: Casbah_25 Start: 19215, Stop: 19628, Start Num: 46

Candidate Starts for Casbah_25:

(Start: 46 @19215 has 76 MA's), (70, 19290), (79, 19335), (80, 19341), (104, 19473), (137, 19599),

Gene: Casend_34 Start: 22604, Stop: 23008, Start Num: 52

Candidate Starts for Casend_34:

(32, 22547), (Start: 52 @22604 has 39 MA's), (62, 22640), (100, 22814), (102, 22835), (110, 22880), (115, 22889), (147, 22994), (150, 23003),

Gene: Caspiboi_24 Start: 18381, Stop: 18803, Start Num: 40

Candidate Starts for Caspiboi_24:

(Start: 40 @18381 has 68 MA's), (77, 18504), (79, 18510), (80, 18516), (95, 18579), (102, 18621), (125, 18699), (133, 18747), (138, 18771), (142, 18789), (143, 18795),

Gene: Cepens_19 Start: 18194, Stop: 18604, Start Num: 47

Candidate Starts for Cepens_19:

(Start: 47 @18194 has 8 MA's), (70, 18269), (79, 18314), (80, 18320), (89, 18362), (95, 18386), (100, 18407), (123, 18509), (133, 18554),

Gene: ChaChing_26 Start: 19378, Stop: 19791, Start Num: 46

Candidate Starts for ChaChing_26:

(Start: 46 @19378 has 76 MA's), (70, 19453), (79, 19498), (80, 19504), (104, 19636), (137, 19762),

Gene: ChadMasterC_30 Start: 23885, Stop: 24319, Start Num: 58

Candidate Starts for ChadMasterC_30:

(Start: 44 @23855 has 19 MA's), (Start: 58 @23885 has 102 MA's), (76, 23969), (93, 24044), (97, 24068), (108, 24146), (117, 24167), (134, 24239), (149, 24290),

Gene: Chaelin_24 Start: 18361, Stop: 18783, Start Num: 40

Candidate Starts for Chaelin_24:

(Start: 40 @18361 has 68 MA's), (68, 18433), (77, 18484), (79, 18490), (80, 18496), (95, 18559), (102, 18601), (125, 18679), (133, 18727), (138, 18751), (142, 18769), (143, 18775),

Gene: Chalmers_26 Start: 20169, Stop: 20582, Start Num: 46

Candidate Starts for Chalmers_26:

(Start: 46 @20169 has 76 MA's), (79, 20289), (80, 20295), (91, 20343), (104, 20427), (137, 20553),

Gene: Chandler_26 Start: 20137, Stop: 20550, Start Num: 46

Candidate Starts for Chandler_26:

(Start: 46 @20137 has 76 MA's), (70, 20212), (79, 20257), (80, 20263), (104, 20395), (137, 20521),

Gene: Charles1_25 Start: 18659, Stop: 19081, Start Num: 41

Candidate Starts for Charles1_25:

(26, 18593), (Start: 41 @18659 has 216 MA's), (77, 18782), (79, 18788), (80, 18794), (95, 18857), (102, 18899), (125, 18977), (133, 19025), (138, 19049), (142, 19067), (143, 19073),

Gene: CharlieGBrown_24 Start: 18246, Stop: 18668, Start Num: 40

Candidate Starts for CharlieGBrown_24:

(Start: 40 @18246 has 68 MA's), (77, 18369), (79, 18375), (80, 18381), (95, 18444), (102, 18486), (125, 18564), (133, 18612), (138, 18636), (142, 18654), (143, 18660),

Gene: CharlottesWeb_22 Start: 17120, Stop: 17533, Start Num: 43

Candidate Starts for CharlottesWeb_22:

(Start: 36 @17099 has 1 MA's), (Start: 43 @17120 has 22 MA's), (59, 17162), (70, 17201), (79, 17246), (80, 17252), (91, 17300),

Gene: Charming_30 Start: 22736, Stop: 23170, Start Num: 58

Candidate Starts for Charming_30:

(Start: 44 @22706 has 19 MA's), (Start: 58 @22736 has 102 MA's), (76, 22820), (93, 22895), (97, 22919), (108, 22997), (117, 23018), (134, 23090), (149, 23141),

Gene: CheetO_25 Start: 18674, Stop: 19096, Start Num: 41

Candidate Starts for CheetO_25:

(26, 18608), (Start: 41 @18674 has 216 MA's), (77, 18797), (79, 18803), (80, 18809), (95, 18872), (102, 18914), (125, 18992), (133, 19040), (138, 19064), (142, 19082), (143, 19088),

Gene: Chentzyk_25 Start: 19233, Stop: 19646, Start Num: 46

Candidate Starts for Chentzyk_25:

(Start: 46 @19233 has 76 MA's), (79, 19353), (80, 19359), (91, 19407), (104, 19491), (137, 19617),

Gene: Cher_24 Start: 18400, Stop: 18822, Start Num: 41

Candidate Starts for Cher_24:

(26, 18334), (Start: 41 @18400 has 216 MA's), (77, 18523), (79, 18529), (80, 18535), (95, 18598), (102, 18640), (125, 18718), (133, 18766), (138, 18790), (142, 18808), (143, 18814),

Gene: CherryCola_30 Start: 18503, Stop: 18946, Start Num: 58

Candidate Starts for CherryCola_30:

(Start: 58 @18503 has 102 MA's), (108, 18764), (149, 18920),

Gene: Chickadee_27 Start: 19601, Stop: 20032, Start Num: 58

Candidate Starts for Chickadee_27:

(20, 19433), (Start: 58 @19601 has 102 MA's), (76, 19685), (93, 19760), (116, 19880), (122, 19895), (134, 19955), (137, 19964), (147, 20003), (149, 20006),

Gene: Childish_24 Start: 18388, Stop: 18810, Start Num: 41

Candidate Starts for Childish_24:

(26, 18322), (Start: 41 @18388 has 216 MA's), (77, 18511), (79, 18517), (80, 18523), (95, 18586), (102, 18628), (125, 18706), (133, 18754), (138, 18778), (142, 18796), (143, 18802),

Gene: Chipette_26 Start: 18897, Stop: 19319, Start Num: 41

Candidate Starts for Chipette_26:

(26, 18831), (Start: 41 @18897 has 216 MA's), (77, 19020), (79, 19026), (80, 19032), (95, 19095), (102, 19137), (125, 19215), (133, 19263), (138, 19287), (142, 19305), (143, 19311),

Gene: Chorkpop_25 Start: 18399, Stop: 18821, Start Num: 41

Candidate Starts for Chorkpop_25:

(26, 18333), (Start: 41 @18399 has 216 MA's), (77, 18522), (79, 18528), (80, 18534), (95, 18597), (102, 18639), (113, 18690), (125, 18717), (133, 18765), (138, 18789), (142, 18807), (143, 18813),

Gene: ChrisnMich_22 Start: 18293, Stop: 18706, Start Num: 46

Candidate Starts for ChrisnMich_22:

(Start: 46 @18293 has 76 MA's), (77, 18407), (79, 18413), (80, 18419), (88, 18455), (98, 18494), (101, 18506), (102, 18524), (125, 18602), (137, 18671), (143, 18698),

Gene: Chunky_25 Start: 18687, Stop: 19109, Start Num: 41

Candidate Starts for Chunky_25:

(26, 18621), (Start: 41 @18687 has 216 MA's), (77, 18810), (79, 18816), (80, 18822), (95, 18885), (102, 18927), (125, 19005), (133, 19053), (138, 19077), (142, 19095), (143, 19101),

Gene: Chute_24 Start: 18712, Stop: 19134, Start Num: 40

Candidate Starts for Chute_24:

(Start: 40 @18712 has 68 MA's), (68, 18784), (77, 18835), (79, 18841), (80, 18847), (95, 18910), (102, 18952), (125, 19030), (133, 19078), (138, 19102), (142, 19120), (143, 19126),

Gene: ClamChowder_28 Start: 18286, Stop: 18729, Start Num: 58

Candidate Starts for ClamChowder_28:

(Start: 58 @18286 has 102 MA's), (108, 18547), (149, 18703),

Gene: CloverMinnie_24 Start: 18544, Stop: 18954, Start Num: 43

Candidate Starts for CloverMinnie_24:

(Start: 43 @18544 has 22 MA's), (85, 18706), (89, 18718), (102, 18784), (104, 18808), (118, 18847), (125, 18862), (138, 18934),

Gene: Clown_30 Start: 20227, Stop: 20670, Start Num: 58

Candidate Starts for Clown_30:

(27, 20125), (29, 20134), (Start: 58 @20227 has 102 MA's), (74, 20299), (149, 20644),

Gene: Cobra_25 Start: 18680, Stop: 19102, Start Num: 41

Candidate Starts for Cobra_25:

(26, 18614), (Start: 41 @18680 has 216 MA's), (77, 18803), (79, 18809), (80, 18815), (95, 18878), (102, 18920), (125, 18998), (133, 19046), (138, 19070), (142, 19088), (143, 19094),

Gene: Colbert_25 Start: 18677, Stop: 19099, Start Num: 41

Candidate Starts for Colbert_25:

(26, 18611), (Start: 41 @18677 has 216 MA's), (77, 18800), (79, 18806), (80, 18812), (95, 18875), (102, 18917), (125, 18995), (133, 19043), (138, 19067), (142, 19085), (143, 19091),

Gene: Coldpizza_25 Start: 21451, Stop: 21861, Start Num: 43

Candidate Starts for Coldpizza_25:

(Start: 43 @21451 has 22 MA's), (63, 21505), (64, 21508), (70, 21532), (80, 21583), (98, 21661),

Gene: Coletti_25 Start: 18712, Stop: 19134, Start Num: 40

Candidate Starts for Coletti_25:

(Start: 40 @18712 has 68 MA's), (68, 18784), (77, 18835), (79, 18841), (80, 18847), (95, 18910), (102, 18952), (125, 19030), (133, 19078), (138, 19102), (142, 19120), (143, 19126),

Gene: Compostia_27 Start: 19796, Stop: 20209, Start Num: 46

Candidate Starts for Compostia_27:

(Start: 46 @19796 has 76 MA's), (70, 19871), (79, 19916), (80, 19922), (104, 20054), (137, 20180),

Gene: Cooper_23 Start: 18410, Stop: 18823, Start Num: 46

Candidate Starts for Cooper_23:

(Start: 46 @18410 has 76 MA's), (79, 18530), (80, 18536), (88, 18572), (95, 18599), (101, 18623), (102, 18641), (125, 18719), (137, 18788), (143, 18815),

Gene: Cornbread_24 Start: 18393, Stop: 18815, Start Num: 40

Candidate Starts for Cornbread_24:

(Start: 40 @18393 has 68 MA's), (77, 18516), (79, 18522), (80, 18528), (95, 18591), (102, 18633), (125, 18711), (133, 18759), (138, 18783), (142, 18801), (143, 18807),

Gene: Cornobble_24 Start: 18235, Stop: 18657, Start Num: 41

Candidate Starts for Cornobble_24:

(26, 18169), (Start: 41 @18235 has 216 MA's), (77, 18358), (79, 18364), (80, 18370), (95, 18433), (102, 18475), (125, 18553), (133, 18601), (138, 18625), (142, 18643), (143, 18649),

Gene: Corofin_26 Start: 19388, Stop: 19801, Start Num: 46

Candidate Starts for Corofin_26:

(Start: 46 @19388 has 76 MA's), (70, 19463), (79, 19508), (80, 19514), (104, 19646), (137, 19772),

Gene: Cosmolli16_24 Start: 18394, Stop: 18816, Start Num: 41

Candidate Starts for Cosmolli16_24:

(26, 18328), (Start: 41 @18394 has 216 MA's), (77, 18517), (79, 18523), (80, 18529), (95, 18592), (102, 18634), (113, 18685), (125, 18712), (133, 18760), (138, 18784), (142, 18802), (143, 18808),

Gene: CoveyB_28 Start: 18086, Stop: 18529, Start Num: 58

Candidate Starts for CoveyB_28:

(Start: 58 @18086 has 102 MA's), (108, 18347), (149, 18503),

Gene: Craff_25 Start: 18681, Stop: 19103, Start Num: 41

Candidate Starts for Craff_25:

(26, 18615), (Start: 41 @18681 has 216 MA's), (77, 18804), (79, 18810), (80, 18816), (95, 18879), (102, 18921), (125, 18999), (133, 19047), (138, 19071), (142, 19089), (143, 19095),

Gene: Crownjwl_25 Start: 18448, Stop: 18870, Start Num: 41

Candidate Starts for Crownjwl_25:

(26, 18382), (Start: 41 @18448 has 216 MA's), (77, 18571), (79, 18577), (80, 18583), (95, 18646), (102, 18688), (125, 18766), (133, 18814), (138, 18838), (142, 18856), (143, 18862),

Gene: D12_19 Start: 18187, Stop: 18597, Start Num: 47

Candidate Starts for D12_19:

(Start: 47 @18187 has 8 MA's), (70, 18262), (79, 18307), (80, 18313), (89, 18355), (95, 18379), (100, 18400), (123, 18502), (133, 18547),

Gene: DaddyDaniels_25 Start: 18373, Stop: 18795, Start Num: 40

Candidate Starts for DaddyDaniels_25:

(Start: 40 @18373 has 68 MA's), (77, 18496), (79, 18502), (80, 18508), (95, 18571), (102, 18613), (125, 18691), (133, 18739), (138, 18763), (142, 18781), (143, 18787),

Gene: Daffy_25 Start: 18400, Stop: 18822, Start Num: 41

Candidate Starts for Daffy_25:

(26, 18334), (Start: 41 @18400 has 216 MA's), (77, 18523), (79, 18529), (80, 18535), (95, 18598), (102, 18640), (125, 18718), (133, 18766), (138, 18790), (142, 18808), (143, 18814),

Gene: Daisy_26 Start: 19384, Stop: 19797, Start Num: 46

Candidate Starts for Daisy_26:

(Start: 46 @19384 has 76 MA's), (79, 19504), (80, 19510), (104, 19642), (137, 19768),

Gene: Daka_25 Start: 18677, Stop: 19099, Start Num: 41

Candidate Starts for Daka_25:

(26, 18611), (Start: 41 @18677 has 216 MA's), (77, 18800), (79, 18806), (80, 18812), (95, 18875), (102, 18917), (125, 18995), (133, 19043), (138, 19067), (142, 19085), (143, 19091),

Gene: Danyall_28 Start: 18086, Stop: 18529, Start Num: 58

Candidate Starts for Danyall_28:

(Start: 58 @18086 has 102 MA's), (108, 18347), (149, 18503),

Gene: Dati_25 Start: 18390, Stop: 18812, Start Num: 40

Candidate Starts for Dati_25:

(Start: 40 @18390 has 68 MA's), (77, 18513), (79, 18519), (80, 18525), (95, 18588), (102, 18630), (125, 18708), (133, 18756), (138, 18780), (142, 18798), (143, 18804),

Gene: Deenasa_26 Start: 20126, Stop: 20539, Start Num: 46

Candidate Starts for Deenasa_26:

(Start: 46 @20126 has 76 MA's), (70, 20201), (79, 20246), (80, 20252), (104, 20384), (137, 20510),

Gene: DelRivs_24 Start: 18389, Stop: 18811, Start Num: 40

Candidate Starts for DelRivs_24:

(Start: 40 @18389 has 68 MA's), (79, 18518), (80, 18524), (95, 18587), (102, 18629), (125, 18707), (133, 18755), (138, 18779), (142, 18797), (143, 18803),

Gene: Delrey21_29 Start: 23097, Stop: 23528, Start Num: 58

Candidate Starts for Delrey21_29:

(48, 23070), (Start: 58 @23097 has 102 MA's), (76, 23181), (81, 23211), (84, 23226), (93, 23256), (96, 23277), (108, 23358), (111, 23364), (122, 23391), (132, 23436), (134, 23451), (147, 23499), (149, 23502),

Gene: Derg_25 Start: 21689, Stop: 22123, Start Num: 53

Candidate Starts for Derg_25:

(Start: 53 @21689 has 8 MA's), (72, 21743), (76, 21773), (93, 21848), (108, 21950), (117, 21971), (134, 22043), (149, 22094),

Gene: Derpp_24 Start: 18236, Stop: 18658, Start Num: 40

Candidate Starts for Derpp_24:

(Start: 40 @18236 has 68 MA's), (77, 18359), (79, 18365), (80, 18371), (95, 18434), (102, 18476), (125, 18554), (133, 18602), (138, 18626), (142, 18644), (143, 18650),

Gene: Devonte_26 Start: 19363, Stop: 19776, Start Num: 46

Candidate Starts for Devonte_26:

(Start: 46 @19363 has 76 MA's), (70, 19438), (79, 19483), (80, 19489), (104, 19621), (137, 19747),

Gene: Dxdert_28 Start: 20032, Stop: 20463, Start Num: 58

Candidate Starts for Dxdert_28:

(Start: 58 @20032 has 102 MA's), (76, 20116), (93, 20191), (96, 20212), (116, 20311), (122, 20326), (134, 20386), (147, 20434), (149, 20437), (151, 20446),

Gene: Dice_24 Start: 18377, Stop: 18799, Start Num: 41

Candidate Starts for Dice_24:

(26, 18311), (Start: 41 @18377 has 216 MA's), (77, 18500), (79, 18506), (80, 18512), (95, 18575), (102, 18617), (125, 18695), (133, 18743), (138, 18767), (142, 18785), (143, 18791),

Gene: DigitDog_25 Start: 18981, Stop: 19397, Start Num: 44

Candidate Starts for DigitDog_25:

(Start: 44 @18981 has 19 MA's), (95, 19173), (102, 19215), (113, 19266), (144, 19392),

Gene: Dingo_25 Start: 18661, Stop: 19083, Start Num: 41

Candidate Starts for Dingo_25:

(26, 18595), (Start: 41 @18661 has 216 MA's), (77, 18784), (79, 18790), (80, 18796), (95, 18859), (102, 18901), (125, 18979), (133, 19027), (138, 19051), (142, 19069), (143, 19075),

Gene: Dione_24 Start: 18378, Stop: 18800, Start Num: 41

Candidate Starts for Dione_24:

(26, 18312), (Start: 41 @18378 has 216 MA's), (77, 18501), (79, 18507), (80, 18513), (95, 18576), (102, 18618), (125, 18696), (133, 18744), (138, 18768), (142, 18786), (143, 18792),

Gene: DirtJuice_25 Start: 18663, Stop: 19085, Start Num: 41

Candidate Starts for DirtJuice_25:

(26, 18597), (Start: 41 @18663 has 216 MA's), (77, 18786), (79, 18792), (80, 18798), (95, 18861), (102, 18903), (125, 18981), (133, 19029), (138, 19053), (142, 19071), (143, 19077),

Gene: DoctorFroggo_29 Start: 23097, Stop: 23528, Start Num: 58

Candidate Starts for DoctorFroggo_29:

(48, 23070), (Start: 58 @23097 has 102 MA's), (76, 23181), (81, 23211), (84, 23226), (93, 23256), (96, 23277), (108, 23358), (111, 23364), (122, 23391), (132, 23436), (134, 23451), (147, 23499), (149, 23502),

Gene: Doddsville_25 Start: 18390, Stop: 18812, Start Num: 40

Candidate Starts for Doddsville_25:

(Start: 40 @18390 has 68 MA's), (77, 18513), (79, 18519), (80, 18525), (95, 18588), (102, 18630), (125, 18708), (133, 18756), (138, 18780), (142, 18798), (143, 18804),

Gene: DoesntMatter_25 Start: 18659, Stop: 19081, Start Num: 41

Candidate Starts for DoesntMatter_25:

(26, 18593), (Start: 41 @18659 has 216 MA's), (77, 18782), (79, 18788), (80, 18794), (95, 18857), (102, 18899), (113, 18950), (125, 18977), (133, 19025), (138, 19049), (142, 19067), (143, 19073),

Gene: DolOn_26 Start: 18910, Stop: 19332, Start Num: 41

Candidate Starts for DolOn_26:

(26, 18844), (Start: 41 @18910 has 216 MA's), (77, 19033), (79, 19039), (80, 19045), (95, 19108), (102, 19150), (125, 19228), (133, 19276), (138, 19300), (142, 19318), (143, 19324),

Gene: DonSanchon_24 Start: 18376, Stop: 18798, Start Num: 41

Candidate Starts for DonSanchon_24:

(26, 18310), (Start: 41 @18376 has 216 MA's), (77, 18499), (79, 18505), (80, 18511), (95, 18574), (102, 18616), (125, 18694), (133, 18742), (138, 18766), (142, 18784), (143, 18790),

Gene: DonaldDuck_32 Start: 21950, Stop: 22354, Start Num: 52

Candidate Starts for DonaldDuck_32:

(32, 21893), (Start: 52 @21950 has 39 MA's), (62, 21986), (100, 22160), (102, 22181), (110, 22226), (115, 22235), (147, 22340), (150, 22349),

Gene: Donny_25 Start: 19394, Stop: 19810, Start Num: 44

Candidate Starts for Donny_25:

(Start: 44 @19394 has 19 MA's), (66, 19454), (80, 19523), (102, 19628), (105, 19658), (144, 19805),

Gene: Dori_22 Start: 16225, Stop: 16629, Start Num: 45

Candidate Starts for Dori_22:

(Start: 45 @16225 has 4 MA's), (70, 16303), (79, 16348), (80, 16354), (90, 16399), (95, 16420), (102, 16462), (104, 16486), (113, 16513), (118, 16525), (135, 16603),

Gene: DuchessDung_23 Start: 17527, Stop: 17949, Start Num: 40

Candidate Starts for DuchessDung_23:

(Start: 40 @17527 has 68 MA's), (77, 17650), (79, 17656), (80, 17662), (95, 17725), (102, 17767), (125, 17845), (133, 17893), (138, 17917), (142, 17935), (143, 17941),

Gene: Duggie_24 Start: 18392, Stop: 18814, Start Num: 40

Candidate Starts for Duggie_24:

(Start: 40 @18392 has 68 MA's), (77, 18515), (79, 18521), (80, 18527), (95, 18590), (102, 18632), (125, 18710), (133, 18758), (138, 18782), (142, 18800), (143, 18806),

Gene: Durga_25 Start: 18689, Stop: 19111, Start Num: 40

Candidate Starts for Durga_25:

(Start: 40 @18689 has 68 MA's), (77, 18812), (79, 18818), (80, 18824), (95, 18887), (102, 18929), (125, 19007), (133, 19055), (138, 19079), (142, 19097), (143, 19103),

Gene: EMoore_26 Start: 21587, Stop: 22018, Start Num: 58

Candidate Starts for EMoore_26:

(38, 21536), (48, 21560), (51, 21563), (Start: 58 @21587 has 102 MA's), (76, 21671), (84, 21716), (108, 21848), (132, 21926), (137, 21950), (147, 21989), (149, 21992),

Gene: EastView9101_24 Start: 19041, Stop: 19457, Start Num: 44

Candidate Starts for EastView9101_24:

(Start: 44 @19041 has 19 MA's), (80, 19170), (95, 19233), (144, 19452),

Gene: EdmundFerry_26 Start: 19630, Stop: 20061, Start Num: 58

Candidate Starts for EdmundFerry_26:

(20, 19462), (Start: 58 @19630 has 102 MA's), (76, 19714), (93, 19789), (116, 19909), (122, 19924), (134, 19984), (137, 19993), (147, 20032), (149, 20035),

Gene: Egi03_26 Start: 17805, Stop: 18248, Start Num: 58

Candidate Starts for Egi03_26:

(14, 17589), (18, 17631), (Start: 58 @17805 has 102 MA's), (108, 18066), (149, 18222),

Gene: ElvisPhasley_25 Start: 18708, Stop: 19130, Start Num: 40

Candidate Starts for ElvisPhasley_25:

(Start: 40 @18708 has 68 MA's), (68, 18780), (77, 18831), (79, 18837), (80, 18843), (95, 18906), (102, 18948), (125, 19026), (133, 19074), (138, 19098), (142, 19116), (143, 19122),

Gene: Emiris_25 Start: 18670, Stop: 19092, Start Num: 41

Candidate Starts for Emiris_25:

(26, 18604), (Start: 41 @18670 has 216 MA's), (77, 18793), (79, 18799), (80, 18805), (95, 18868), (102, 18910), (125, 18988), (133, 19036), (138, 19060), (142, 19078), (143, 19084),

Gene: EmpTee_25 Start: 18676, Stop: 19098, Start Num: 41

Candidate Starts for EmpTee_25:

(26, 18610), (Start: 41 @18676 has 216 MA's), (77, 18799), (79, 18805), (80, 18811), (95, 18874), (102, 18916), (125, 18994), (133, 19042), (138, 19066), (142, 19084), (143, 19090),

Gene: Epah_22 Start: 18304, Stop: 18717, Start Num: 46

Candidate Starts for Epah_22:

(Start: 46 @18304 has 76 MA's), (77, 18418), (79, 18424), (80, 18430), (88, 18466), (95, 18493), (98, 18505), (101, 18517), (102, 18535), (125, 18613), (137, 18682), (143, 18709),

Gene: Eremos_25 Start: 18676, Stop: 19098, Start Num: 41

Candidate Starts for Eremos_25:

(26, 18610), (Start: 41 @18676 has 216 MA's), (77, 18799), (79, 18805), (80, 18811), (95, 18874), (102, 18916), (125, 18994), (133, 19042), (138, 19066), (142, 19084), (143, 19090),

Gene: Etaye_25 Start: 18662, Stop: 19084, Start Num: 40

Candidate Starts for Etaye_25:

(Start: 40 @18662 has 68 MA's), (77, 18785), (79, 18791), (80, 18797), (95, 18860), (102, 18902), (125, 18980), (133, 19028), (138, 19052), (142, 19070), (143, 19076),

Gene: Eugenia_25 Start: 18689, Stop: 19111, Start Num: 41

Candidate Starts for Eugenia_25:

(26, 18623), (Start: 41 @18689 has 216 MA's), (77, 18812), (79, 18818), (80, 18824), (95, 18887), (102, 18929), (125, 19007), (133, 19055), (138, 19079), (142, 19097), (143, 19103),

Gene: Evaa_23 Start: 18465, Stop: 18881, Start Num: 43

Candidate Starts for Evaa_23:

(Start: 43 @18465 has 22 MA's), (70, 18549), (80, 18600), (90, 18645), (104, 18732), (112, 18756),

Gene: Evamon_26 Start: 17572, Stop: 18015, Start Num: 58

Candidate Starts for Evamon_26:

(Start: 58 @17572 has 102 MA's), (108, 17833), (149, 17989),

Gene: EverythinBagel_32 Start: 22338, Stop: 22736, Start Num: 52

Candidate Starts for EverythinBagel_32:

(33, 22284), (Start: 52 @22338 has 39 MA's), (62, 22374), (100, 22548), (102, 22569), (110, 22614), (115, 22623),

Gene: Fanaw_22 Start: 18998, Stop: 19411, Start Num: 46

Candidate Starts for Fanaw_22:

(Start: 46 @18998 has 76 MA's), (77, 19112), (79, 19118), (80, 19124), (88, 19160), (98, 19199), (101, 19211), (102, 19229), (125, 19307), (143, 19403),

Gene: Fang_25 Start: 18690, Stop: 19112, Start Num: 41

Candidate Starts for Fang_25:

(26, 18624), (Start: 41 @18690 has 216 MA's), (77, 18813), (79, 18819), (80, 18825), (95, 18888), (102, 18930), (125, 19008), (133, 19056), (138, 19080), (142, 19098), (143, 19104),

Gene: FelixTres_24 Start: 18607, Stop: 19017, Start Num: 43

Candidate Starts for FelixTres_24:

(Start: 43 @18607 has 22 MA's), (85, 18769), (89, 18781), (102, 18847), (104, 18871), (118, 18910), (125, 18925),

Gene: Fireball_27 Start: 17704, Stop: 18147, Start Num: 58

Candidate Starts for Fireball_27:

(Start: 58 @17704 has 102 MA's), (108, 17965), (149, 18121),

Gene: Fitzgerald_28 Start: 23319, Stop: 23753, Start Num: 58

Candidate Starts for Fitzgerald_28:

(Start: 44 @23289 has 19 MA's), (Start: 58 @23319 has 102 MA's), (76, 23403), (93, 23478), (108, 23580), (117, 23601), (134, 23673), (149, 23724),

Gene: Fizzles_33 Start: 21660, Stop: 22067, Start Num: 52

Candidate Starts for Fizzles_33:

(33, 21606), (Start: 52 @21660 has 39 MA's), (56, 21672), (62, 21696), (102, 21891), (110, 21936), (115, 21945), (131, 21993), (147, 22053), (150, 22062),

Gene: Flake_26 Start: 18712, Stop: 19134, Start Num: 40

Candidate Starts for Flake_26:

(Start: 40 @18712 has 68 MA's), (68, 18784), (77, 18835), (79, 18841), (80, 18847), (95, 18910), (102, 18952), (125, 19030), (133, 19078), (138, 19102), (142, 19120), (143, 19126),

Gene: Flatwoods_30 Start: 22050, Stop: 22484, Start Num: 53

Candidate Starts for Flatwoods_30:

(Start: 53 @22050 has 8 MA's), (72, 22104), (76, 22134), (93, 22209), (108, 22311), (117, 22332), (134, 22404), (149, 22455),

Gene: FleetyMac_24 Start: 18675, Stop: 19097, Start Num: 40

Candidate Starts for FleetyMac_24:

(Start: 40 @18675 has 68 MA's), (77, 18798), (79, 18804), (80, 18810), (95, 18873), (102, 18915), (125, 18993), (133, 19041), (138, 19065), (142, 19083), (143, 19089),

Gene: FluffyNinja_25 Start: 18682, Stop: 19104, Start Num: 41

Candidate Starts for FluffyNinja_25:

(26, 18616), (Start: 41 @18682 has 216 MA's), (77, 18805), (79, 18811), (80, 18817), (95, 18880), (102, 18922), (125, 19000), (133, 19048), (138, 19072), (142, 19090), (143, 19096),

Gene: ForDig_21 Start: 17846, Stop: 18259, Start Num: 40

Candidate Starts for ForDig_21:

(Start: 40 @17846 has 68 MA's), (88, 18014), (95, 18041), (102, 18083), (123, 18158),

Gene: Fortunato_23 Start: 19330, Stop: 19743, Start Num: 46

Candidate Starts for Fortunato_23:

(Start: 46 @19330 has 76 MA's), (77, 19444), (79, 19450), (80, 19456), (88, 19492), (98, 19531), (101, 19543), (102, 19561), (125, 19639), (128, 19654), (137, 19708), (138, 19711), (143, 19735),

Gene: Fosterous_28 Start: 23152, Stop: 23586, Start Num: 58

Candidate Starts for Fosterous_28:

(Start: 44 @23122 has 19 MA's), (Start: 58 @23152 has 102 MA's), (76, 23236), (93, 23311), (97, 23335), (108, 23413), (134, 23506), (149, 23557),

Gene: Fozzie_24 Start: 18685, Stop: 19107, Start Num: 41

Candidate Starts for Fozzie_24:

(26, 18619), (Start: 41 @18685 has 216 MA's), (77, 18808), (79, 18814), (80, 18820), (95, 18883), (102, 18925), (125, 19003), (133, 19051), (138, 19075), (142, 19093), (143, 19099),

Gene: FrankDeliGuy_30 Start: 21910, Stop: 22314, Start Num: 52

Candidate Starts for FrankDeliGuy_30:

(Start: 52 @21910 has 39 MA's), (56, 21922), (100, 22120), (102, 22141), (110, 22186), (115, 22195), (147, 22300), (150, 22309),

Gene: Frankicide_25 Start: 18676, Stop: 19098, Start Num: 41

Candidate Starts for Frankicide_25:

(26, 18610), (Start: 41 @18676 has 216 MA's), (77, 18799), (79, 18805), (80, 18811), (95, 18874), (102, 18916), (125, 18994), (133, 19042), (138, 19066), (142, 19084), (143, 19090),

Gene: Fransoyer_35 Start: 21775, Stop: 22191, Start Num: 52

Candidate Starts for Fransoyer_35:

(21, 21652), (38, 21742), (Start: 52 @21775 has 39 MA's), (77, 21886), (120, 22072), (121, 22075), (151, 22186),

Gene: Frederick_23 Start: 19339, Stop: 19752, Start Num: 46

Candidate Starts for Frederick_23:

(Start: 46 @19339 has 76 MA's), (77, 19453), (79, 19459), (80, 19465), (88, 19501), (98, 19540), (101, 19552), (102, 19570), (125, 19648), (128, 19663), (137, 19717), (138, 19720), (143, 19744),

Gene: Fregley_33 Start: 21097, Stop: 21492, Start Num: 50

Candidate Starts for Fregley_33:

(Start: 50 @21097 has 12 MA's), (68, 21148), (87, 21256), (102, 21331), (121, 21397), (146, 21484),

Gene: FremontTroll_25 Start: 18373, Stop: 18795, Start Num: 41

Candidate Starts for FremontTroll_25:

(26, 18307), (Start: 41 @18373 has 216 MA's), (77, 18496), (79, 18502), (80, 18508), (95, 18571), (102, 18613), (125, 18691), (133, 18739), (138, 18763), (142, 18781), (143, 18787),

Gene: Fresco_22 Start: 17225, Stop: 17635, Start Num: 43

Candidate Starts for Fresco_22:

(Start: 43 @17225 has 22 MA's), (70, 17306), (77, 17345), (80, 17357), (89, 17399), (91, 17405), (95, 17423), (112, 17513),

Gene: Freya_24 Start: 18371, Stop: 18793, Start Num: 41

Candidate Starts for Freya_24:

(26, 18305), (Start: 41 @18371 has 216 MA's), (77, 18494), (79, 18500), (80, 18506), (95, 18569), (102, 18611), (125, 18689), (133, 18737), (138, 18761), (142, 18779), (143, 18785),

Gene: FriarPreacher_25 Start: 18696, Stop: 19118, Start Num: 41

Candidate Starts for FriarPreacher_25:

(26, 18630), (Start: 41 @18696 has 216 MA's), (77, 18819), (79, 18825), (80, 18831), (95, 18894), (102, 18936), (125, 19014), (133, 19062), (138, 19086), (142, 19104), (143, 19110),

Gene: Fringe_25 Start: 18660, Stop: 19082, Start Num: 41

Candidate Starts for Fringe_25:

(26, 18594), (Start: 41 @18660 has 216 MA's), (77, 18783), (79, 18789), (80, 18795), (95, 18858), (102, 18900), (125, 18978), (133, 19026), (138, 19050), (142, 19068), (143, 19074),

Gene: FuegoCuervo_32 Start: 21703, Stop: 22137, Start Num: 58

Candidate Starts for FuegoCuervo_32:

(Start: 44 @21664 has 19 MA's), (Start: 58 @21703 has 102 MA's), (76, 21787), (93, 21862), (108, 21964), (117, 21985), (134, 22057), (149, 22108),

Gene: FugateOSU_24 Start: 18382, Stop: 18804, Start Num: 41

Candidate Starts for FugateOSU_24:

(26, 18316), (Start: 41 @18382 has 216 MA's), (77, 18505), (79, 18511), (80, 18517), (95, 18580), (102, 18622), (113, 18673), (125, 18700), (133, 18748), (138, 18772), (142, 18790), (143, 18796),

Gene: Fugax_28 Start: 18286, Stop: 18729, Start Num: 58

Candidate Starts for Fugax_28:

(Start: 58 @18286 has 102 MA's), (108, 18547), (149, 18703),

Gene: Funsized_28 Start: 21759, Stop: 22175, Start Num: 44

Candidate Starts for Funsized_28:

(Start: 44 @21759 has 19 MA's), (79, 21882), (80, 21888), (88, 21924), (102, 21993), (113, 22044), (125, 22071), (128, 22086), (143, 22167),

Gene: GTE6_27 Start: 20119, Stop: 20550, Start Num: 58

Candidate Starts for GTE6_27:

(20, 19951), (Start: 58 @20119 has 102 MA's), (76, 20203), (93, 20278), (116, 20398), (122, 20413), (137, 20482), (147, 20521), (149, 20524),

Gene: Gadget_27 Start: 19373, Stop: 19786, Start Num: 46

Candidate Starts for Gadget_27:

(Start: 46 @19373 has 76 MA's), (79, 19493), (80, 19499), (91, 19547), (104, 19631), (137, 19757),

Gene: Gaea_29 Start: 21701, Stop: 22135, Start Num: 53

Candidate Starts for Gaea_29:

(Start: 53 @21701 has 8 MA's), (72, 21755), (76, 21785), (93, 21860), (108, 21962), (117, 21983), (134, 22055), (149, 22106),

Gene: Galadriel_30 Start: 23641, Stop: 24075, Start Num: 58

Candidate Starts for Galadriel_30:

(Start: 44 @23611 has 19 MA's), (Start: 58 @23641 has 102 MA's), (76, 23725), (93, 23800), (97, 23824), (108, 23902), (134, 23995), (149, 24046),

Gene: Gareth_24 Start: 18379, Stop: 18801, Start Num: 41

Candidate Starts for Gareth_24:

(26, 18313), (Start: 41 @18379 has 216 MA's), (77, 18502), (79, 18508), (80, 18514), (95, 18577), (102, 18619), (125, 18697), (133, 18745), (138, 18769), (142, 18787), (143, 18793),

Gene: Gazebo_32 Start: 22390, Stop: 22803, Start Num: 52

Candidate Starts for Gazebo_32:

(32, 22333), (Start: 52 @22390 has 39 MA's), (71, 22462), (87, 22549), (107, 22666), (115, 22681),

Gene: GeneCoco_25 Start: 18681, Stop: 19103, Start Num: 40

Candidate Starts for GeneCoco_25:

(Start: 40 @18681 has 68 MA's), (77, 18804), (79, 18810), (80, 18816), (95, 18879), (102, 18921), (125, 18999), (133, 19047), (138, 19071), (142, 19089), (143, 19095),

Gene: Geodirt_27 Start: 22624, Stop: 23058, Start Num: 58

Candidate Starts for Geodirt_27:

(Start: 44 @22594 has 19 MA's), (Start: 58 @22624 has 102 MA's), (76, 22708), (93, 22783), (97, 22807), (108, 22885), (134, 22978), (149, 23029),

Gene: Gervas_26 Start: 19347, Stop: 19760, Start Num: 46

Candidate Starts for Gervas_26:

(Start: 46 @19347 has 76 MA's), (79, 19467), (80, 19473), (91, 19521), (104, 19605), (137, 19731),

Gene: Gezellig_26 Start: 17704, Stop: 18147, Start Num: 58

Candidate Starts for Gezellig_26:

(Start: 58 @17704 has 102 MA's), (108, 17965), (149, 18121),

Gene: GinPorsche_22 Start: 18304, Stop: 18717, Start Num: 46

Candidate Starts for GinPorsche_22:

(Start: 46 @18304 has 76 MA's), (77, 18418), (79, 18424), (80, 18430), (88, 18466), (95, 18493), (98, 18505), (101, 18517), (102, 18535), (125, 18613), (137, 18682), (143, 18709),

Gene: Giraffe_25 Start: 18384, Stop: 18806, Start Num: 41

Candidate Starts for Giraffe_25:

(26, 18318), (Start: 41 @18384 has 216 MA's), (77, 18507), (79, 18513), (80, 18519), (95, 18582), (102, 18624), (113, 18675), (125, 18702), (133, 18750), (138, 18774), (142, 18792), (143, 18798),

Gene: GlenHope_27 Start: 19356, Stop: 19769, Start Num: 46

Candidate Starts for GlenHope_27:

(Start: 46 @19356 has 76 MA's), (79, 19476), (80, 19482), (91, 19530), (104, 19614), (137, 19740),

Gene: Glubnar_27 Start: 19368, Stop: 19781, Start Num: 46

Candidate Starts for Glubnar_27:

(Start: 46 @19368 has 76 MA's), (70, 19443), (79, 19488), (80, 19494), (104, 19626), (137, 19752),

Gene: GodPhather_20 Start: 18473, Stop: 18883, Start Num: 47

Candidate Starts for GodPhather_20:

(Start: 47 @18473 has 8 MA's), (70, 18548), (79, 18593), (80, 18599), (89, 18641), (95, 18665), (100, 18686), (123, 18788), (133, 18833),

Gene: GodonK_84 Start: 43620, Stop: 44033, Start Num: 40

Candidate Starts for GodonK_84:

(Start: 40 @43620 has 68 MA's), (54, 43653), (75, 43746), (80, 43770), (86, 43803), (94, 43830), (95, 43833), (105, 43905), (113, 43926), (127, 43965), (138, 44025),

Gene: Gophee_25 Start: 18662, Stop: 19084, Start Num: 41

Candidate Starts for Gophee_25:

(26, 18596), (Start: 41 @18662 has 216 MA's), (77, 18785), (79, 18791), (80, 18797), (95, 18860), (102, 18902), (125, 18980), (133, 19028), (138, 19052), (142, 19070), (143, 19076),

Gene: Grand2040_24 Start: 18399, Stop: 18821, Start Num: 41

Candidate Starts for Grand2040_24:

(26, 18333), (Start: 41 @18399 has 216 MA's), (77, 18522), (79, 18528), (80, 18534), (95, 18597), (102, 18639), (113, 18690), (125, 18717), (133, 18765), (138, 18789), (142, 18807), (143, 18813),

Gene: Grassboy_34 Start: 22564, Stop: 22977, Start Num: 52

Candidate Starts for Grassboy_34:

(32, 22507), (Start: 52 @22564 has 39 MA's), (87, 22723), (107, 22840), (115, 22855),

Gene: GreenChile_25 Start: 18676, Stop: 19098, Start Num: 41

Candidate Starts for GreenChile_25:

(26, 18610), (Start: 41 @18676 has 216 MA's), (77, 18799), (79, 18805), (80, 18811), (95, 18874), (102, 18916), (125, 18994), (133, 19042), (138, 19066), (142, 19084), (143, 19090),

Gene: Gustavo_29 Start: 21853, Stop: 22287, Start Num: 58

Candidate Starts for Gustavo_29:

(55, 21844), (Start: 58 @21853 has 102 MA's), (76, 21937), (93, 22012), (108, 22114), (117, 22135), (132, 22192), (134, 22207), (149, 22258),

Gene: Gwennie1_25 Start: 18721, Stop: 19143, Start Num: 40

Candidate Starts for Gwennie1_25:

(Start: 40 @18721 has 68 MA's), (68, 18793), (77, 18844), (79, 18850), (80, 18856), (95, 18919), (102, 18961), (125, 19039), (133, 19087), (138, 19111), (142, 19129), (143, 19135),

Gene: Gwilliam_25 Start: 18672, Stop: 19094, Start Num: 41

Candidate Starts for Gwilliam_25:

(26, 18606), (Start: 41 @18672 has 216 MA's), (77, 18795), (79, 18801), (80, 18807), (95, 18870), (102, 18912), (125, 18990), (133, 19038), (138, 19062), (142, 19080), (143, 19086),

Gene: Gyarad_0025 Start: 18674, Stop: 19096, Start Num: 41

Candidate Starts for Gyarad_0025:

(26, 18608), (Start: 41 @18674 has 216 MA's), (77, 18797), (79, 18803), (80, 18809), (95, 18872), (102, 18914), (125, 18992), (133, 19040), (138, 19064), (142, 19082), (143, 19088),

Gene: HSavage_25 Start: 18682, Stop: 19104, Start Num: 41

Candidate Starts for HSavage_25:

(26, 18616), (Start: 41 @18682 has 216 MA's), (77, 18805), (79, 18811), (80, 18817), (95, 18880), (102, 18922), (125, 19000), (133, 19048), (138, 19072), (142, 19090), (143, 19096),

Gene: Haimas_25 Start: 18677, Stop: 19099, Start Num: 41

Candidate Starts for Haimas_25:

(26, 18611), (Start: 41 @18677 has 216 MA's), (77, 18800), (79, 18806), (80, 18812), (95, 18875), (102, 18917), (125, 18995), (133, 19043), (138, 19067), (142, 19085), (143, 19091),

Gene: Haleema_24 Start: 18399, Stop: 18821, Start Num: 41

Candidate Starts for Haleema_24:

(26, 18333), (Start: 41 @18399 has 216 MA's), (77, 18522), (79, 18528), (80, 18534), (95, 18597), (102, 18639), (125, 18717), (133, 18765), (138, 18789), (142, 18807), (143, 18813),

Gene: Halfpint_25 Start: 19188, Stop: 19601, Start Num: 46

Candidate Starts for Halfpint_25:

(Start: 46 @19188 has 76 MA's), (79, 19308), (80, 19314), (91, 19362), (104, 19446), (137, 19572),

Gene: Hally898_22 Start: 18304, Stop: 18717, Start Num: 46

Candidate Starts for Hally898_22:

(Start: 46 @18304 has 76 MA's), (77, 18418), (79, 18424), (80, 18430), (88, 18466), (95, 18493), (98, 18505), (101, 18517), (102, 18535), (125, 18613), (137, 18682), (143, 18709),

Gene: Halo3_27 Start: 17997, Stop: 18440, Start Num: 58

Candidate Starts for Halo3_27:

(Start: 58 @17997 has 102 MA's), (108, 18258), (149, 18414),

Gene: Hamish_25 Start: 18669, Stop: 19091, Start Num: 41

Candidate Starts for Hamish_25:

(26, 18603), (Start: 41 @18669 has 216 MA's), (77, 18792), (79, 18798), (80, 18804), (95, 18867), (102, 18909), (125, 18987), (133, 19035), (138, 19059), (142, 19077), (143, 19083),

Gene: Hangman_23 Start: 19331, Stop: 19744, Start Num: 46

Candidate Starts for Hangman_23:

(Start: 46 @19331 has 76 MA's), (77, 19445), (79, 19451), (80, 19457), (88, 19493), (98, 19532), (101, 19544), (102, 19562), (125, 19640), (137, 19709), (138, 19712), (143, 19736),

Gene: Hans_30 Start: 21408, Stop: 21839, Start Num: 58

Candidate Starts for Hans_30:

(15, 21216), (48, 21381), (Start: 58 @21408 has 102 MA's), (76, 21492), (96, 21588), (108, 21669), (111, 21675), (116, 21687), (132, 21747), (137, 21771), (147, 21810), (149, 21813),

Gene: Happabalu_25 Start: 18391, Stop: 18813, Start Num: 40

Candidate Starts for Happabalu_25:

(Start: 40 @18391 has 68 MA's), (77, 18514), (79, 18520), (80, 18526), (95, 18589), (102, 18631), (125, 18709), (133, 18757), (138, 18781), (142, 18799), (143, 18805),

Gene: Hartsy_25 Start: 18692, Stop: 19114, Start Num: 40

Candidate Starts for Hartsy_25:

(Start: 40 @18692 has 68 MA's), (68, 18764), (77, 18815), (79, 18821), (80, 18827), (95, 18890), (102, 18932), (125, 19010), (133, 19058), (138, 19082), (142, 19100), (143, 19106),

Gene: Harvey_25 Start: 18698, Stop: 19120, Start Num: 41

Candidate Starts for Harvey_25:

(26, 18632), (Start: 41 @18698 has 216 MA's), (77, 18821), (79, 18827), (80, 18833), (95, 18896), (102, 18938), (125, 19016), (133, 19064), (138, 19088), (142, 19106), (143, 19112),

Gene: HarveySr_26 Start: 19343, Stop: 19756, Start Num: 46

Candidate Starts for HarveySr_26:

(Start: 46 @19343 has 76 MA's), (79, 19463), (80, 19469), (104, 19601), (137, 19727),

Gene: Hashim76_29 Start: 19154, Stop: 19570, Start Num: 44

Candidate Starts for Hashim76_29:

(Start: 44 @19154 has 19 MA's), (79, 19277), (83, 19307), (125, 19466), (128, 19481), (143, 19562),

Gene: Heath_22 Start: 18962, Stop: 19375, Start Num: 46

Candidate Starts for Heath_22:

(Start: 46 @18962 has 76 MA's), (77, 19076), (79, 19082), (80, 19088), (88, 19124), (98, 19163), (101, 19175), (102, 19193), (125, 19271), (137, 19340), (138, 19343), (143, 19367),

Gene: Heathcliff_26 Start: 19325, Stop: 19738, Start Num: 46

Candidate Starts for Heathcliff_26:

(Start: 46 @19325 has 76 MA's), (79, 19445), (80, 19451), (91, 19499), (104, 19583), (137, 19709),

Gene: Hekos_22 Start: 17227, Stop: 17649, Start Num: 40

Candidate Starts for Hekos_22:

(Start: 40 @17227 has 68 MA's), (77, 17350), (79, 17356), (80, 17362), (95, 17425), (102, 17467), (125, 17545), (133, 17593), (138, 17617), (142, 17635), (143, 17641),

Gene: Held_25 Start: 18383, Stop: 18805, Start Num: 41

Candidate Starts for Held_25:

(26, 18317), (Start: 41 @18383 has 216 MA's), (77, 18506), (79, 18512), (80, 18518), (95, 18581), (102, 18623), (125, 18701), (133, 18749), (138, 18773), (142, 18791), (143, 18797),

Gene: HenryJackson_24 Start: 18399, Stop: 18821, Start Num: 41

Candidate Starts for HenryJackson_24:

(26, 18333), (Start: 41 @18399 has 216 MA's), (77, 18522), (79, 18528), (80, 18534), (95, 18597), (102, 18639), (125, 18717), (133, 18765), (138, 18789), (142, 18807), (143, 18813),

Gene: Hertubise_25 Start: 18691, Stop: 19113, Start Num: 41

Candidate Starts for Hertubise_25:

(26, 18625), (Start: 41 @18691 has 216 MA's), (77, 18814), (79, 18820), (80, 18826), (95, 18889), (102, 18931), (125, 19009), (133, 19057), (138, 19081), (142, 19099), (143, 19105),

Gene: Hetaeria_25 Start: 18692, Stop: 19114, Start Num: 41

Candidate Starts for Hetaeria_25:

(26, 18626), (Start: 41 @18692 has 216 MA's), (77, 18815), (79, 18821), (80, 18827), (95, 18890), (102, 18932), (113, 18983), (125, 19010), (133, 19058), (138, 19082), (142, 19100), (143, 19106),

Gene: HighStump_24 Start: 18382, Stop: 18804, Start Num: 41

Candidate Starts for HighStump_24:

(26, 18316), (Start: 41 @18382 has 216 MA's), (77, 18505), (79, 18511), (80, 18517), (95, 18580), (102, 18622), (113, 18673), (125, 18700), (133, 18748), (138, 18772), (142, 18790), (143, 18796),

Gene: Hocus_24 Start: 18385, Stop: 18807, Start Num: 40

Candidate Starts for Hocus_24:

(Start: 40 @18385 has 68 MA's), (77, 18508), (79, 18514), (80, 18520), (95, 18583), (102, 18625), (125, 18703), (133, 18751), (138, 18775), (142, 18793), (143, 18799),

Gene: HogWash_24 Start: 18679, Stop: 19101, Start Num: 40

Candidate Starts for HogWash_24:

(Start: 40 @18679 has 68 MA's), (77, 18802), (79, 18808), (80, 18814), (95, 18877), (102, 18919), (125, 18997), (133, 19045), (138, 19069), (142, 19087), (143, 19093),

Gene: Horchata_25 Start: 18661, Stop: 19083, Start Num: 41

Candidate Starts for Horchata_25:

(26, 18595), (Start: 41 @18661 has 216 MA's), (77, 18784), (79, 18790), (80, 18796), (95, 18859), (102, 18901), (125, 18979), (133, 19027), (138, 19051), (142, 19069), (143, 19075),

Gene: Hosp_019 Start: 16062, Stop: 16475, Start Num: 40

Candidate Starts for Hosp_019:

(Start: 40 @16062 has 68 MA's), (71, 16152), (88, 16230), (95, 16257), (102, 16299), (123, 16374),

Gene: Hydro_23 Start: 19336, Stop: 19749, Start Num: 46

Candidate Starts for Hydro_23:

(Start: 46 @19336 has 76 MA's), (77, 19450), (79, 19456), (80, 19462), (88, 19498), (98, 19537), (101, 19549), (102, 19567), (125, 19645), (133, 19693), (137, 19714), (138, 19717), (143, 19741),

Gene: Hyperion_32 Start: 22347, Stop: 22760, Start Num: 52

Candidate Starts for Hyperion_32:

(32, 22290), (Start: 52 @22347 has 39 MA's), (87, 22506), (107, 22623), (115, 22638),

Gene: ImtiyazSitla_24 Start: 18226, Stop: 18648, Start Num: 40

Candidate Starts for ImtiyazSitla_24:

(Start: 40 @18226 has 68 MA's), (77, 18349), (79, 18355), (80, 18361), (95, 18424), (102, 18466), (125, 18544), (133, 18592), (138, 18616), (142, 18634), (143, 18640),

Gene: Imvubu_19 Start: 16429, Stop: 16845, Start Num: 44

Candidate Starts for Imvubu_19:

(Start: 44 @16429 has 19 MA's), (49, 16438), (79, 16552), (98, 16633), (117, 16723), (142, 16831), (143, 16837),

Gene: Inchworm_25 Start: 18668, Stop: 19090, Start Num: 41

Candidate Starts for Inchworm_25:

(26, 18602), (Start: 41 @18668 has 216 MA's), (77, 18791), (79, 18797), (80, 18803), (95, 18866), (102, 18908), (125, 18986), (133, 19034), (138, 19058), (142, 19076), (143, 19082),

Gene: Indlovu_23 Start: 19044, Stop: 19460, Start Num: 40

Candidate Starts for Indlovu_23:

(Start: 40 @19044 has 68 MA's), (88, 19212), (102, 19281), (125, 19359), (137, 19428), (138, 19431),

Gene: Inspectinfecti_29 Start: 21832, Stop: 22263, Start Num: 58

Candidate Starts for Inspectinfecti_29:

(12, 21604), (15, 21640), (48, 21805), (Start: 58 @21832 has 102 MA's), (76, 21916), (96, 22012), (108, 22093), (111, 22099), (116, 22111), (132, 22171), (137, 22195), (147, 22234), (149, 22237),

Gene: Inverness_25 Start: 18682, Stop: 19104, Start Num: 41

Candidate Starts for Inverness_25:

(26, 18616), (Start: 41 @18682 has 216 MA's), (77, 18805), (79, 18811), (80, 18817), (95, 18880), (102, 18922), (125, 19000), (133, 19048), (138, 19072), (142, 19090), (143, 19096),

Gene: Iridessa_25 Start: 18368, Stop: 18790, Start Num: 40

Candidate Starts for Iridessa_25:

(Start: 40 @18368 has 68 MA's), (68, 18440), (77, 18491), (79, 18497), (80, 18503), (95, 18566), (102, 18608), (125, 18686), (133, 18734), (138, 18758), (142, 18776), (143, 18782),

Gene: Iridoclysis_25 Start: 18656, Stop: 19078, Start Num: 41

Candidate Starts for Iridoclysis_25:

(26, 18590), (Start: 41 @18656 has 216 MA's), (77, 18779), (79, 18785), (80, 18791), (95, 18854), (102, 18896), (125, 18974), (133, 19022), (138, 19046), (142, 19064), (143, 19070),

Gene: IsaacEli_25 Start: 18686, Stop: 19108, Start Num: 41

Candidate Starts for IsaacEli_25:

(26, 18620), (Start: 41 @18686 has 216 MA's), (77, 18809), (79, 18815), (80, 18821), (95, 18884), (102, 18926), (113, 18977), (125, 19004), (133, 19052), (138, 19076), (142, 19094), (143, 19100),

Gene: JAMaL_23 Start: 19500, Stop: 19913, Start Num: 46

Candidate Starts for JAMaL_23:

(Start: 46 @19500 has 76 MA's), (60, 19539), (80, 19626), (95, 19689), (98, 19701), (102, 19731), (143, 19905),

Gene: JDog_24 Start: 18392, Stop: 18814, Start Num: 40

Candidate Starts for JDog_24:

(Start: 40 @18392 has 68 MA's), (77, 18515), (79, 18521), (80, 18527), (95, 18590), (102, 18632), (125, 18710), (133, 18758), (138, 18782), (142, 18800), (143, 18806),

Gene: JKSyngboy_27 Start: 22410, Stop: 22844, Start Num: 53

Candidate Starts for JKSyngboy_27:

(Start: 53 @22410 has 8 MA's), (72, 22464), (76, 22494), (81, 22524), (93, 22569), (108, 22671), (117, 22692), (134, 22764), (149, 22815),

Gene: Jabberwocky_28 Start: 23780, Stop: 24214, Start Num: 58

Candidate Starts for Jabberwocky_28:

(Start: 44 @23750 has 19 MA's), (Start: 58 @23780 has 102 MA's), (76, 23864), (93, 23939), (97, 23963), (108, 24041), (117, 24062), (134, 24134), (149, 24185),

Gene: JacAttac_25 Start: 18668, Stop: 19090, Start Num: 41

Candidate Starts for JacAttac_25:

(26, 18602), (Start: 41 @18668 has 216 MA's), (77, 18791), (79, 18797), (80, 18803), (95, 18866), (102, 18908), (125, 18986), (133, 19034), (138, 19058), (142, 19076), (143, 19082),

Gene: JaguarMi_23 Start: 18798, Stop: 19211, Start Num: 46

Candidate Starts for JaguarMi_23:

(Start: 46 @18798 has 76 MA's), (77, 18912), (79, 18918), (80, 18924), (88, 18960), (98, 18999), (101, 19011), (102, 19029), (125, 19107), (137, 19176), (138, 19179), (143, 19203),

Gene: JakeO_24 Start: 18392, Stop: 18814, Start Num: 40

Candidate Starts for JakeO_24:

(Start: 40 @18392 has 68 MA's), (77, 18515), (79, 18521), (80, 18527), (95, 18590), (102, 18632), (125, 18710), (133, 18758), (138, 18782), (142, 18800), (143, 18806),

Gene: Jambalaya_26 Start: 17351, Stop: 17794, Start Num: 58

Candidate Starts for Jambalaya_26:

(Start: 58 @17351 has 102 MA's), (108, 17612), (149, 17768),

Gene: JangoPhett_25 Start: 18666, Stop: 19088, Start Num: 41

Candidate Starts for JangoPhett_25:

(26, 18600), (Start: 41 @18666 has 216 MA's), (77, 18789), (79, 18795), (80, 18801), (95, 18864), (102, 18906), (125, 18984), (133, 19032), (138, 19056), (142, 19074), (143, 19080),

Gene: Jehoshaphat_35 Start: 22869, Stop: 23273, Start Num: 52

Candidate Starts for Jehoshaphat_35:

(32, 22812), (Start: 52 @22869 has 39 MA's), (62, 22905), (100, 23079), (102, 23100), (110, 23145), (115, 23154), (147, 23259), (150, 23268),

Gene: Jeon_19 Start: 18215, Stop: 18625, Start Num: 47

Candidate Starts for Jeon_19:

(Start: 47 @18215 has 8 MA's), (70, 18290), (79, 18335), (80, 18341), (89, 18383), (95, 18407), (100, 18428), (123, 18530), (133, 18575),

Gene: Jesabah_25 Start: 18394, Stop: 18816, Start Num: 41

Candidate Starts for Jesabah_25:

(26, 18328), (Start: 41 @18394 has 216 MA's), (77, 18517), (79, 18523), (80, 18529), (95, 18592), (102, 18634), (125, 18712), (133, 18760), (138, 18784), (142, 18802), (143, 18808),

Gene: Jillium_24 Start: 18392, Stop: 18814, Start Num: 41

Candidate Starts for Jillium_24:

(26, 18326), (Start: 41 @18392 has 216 MA's), (77, 18515), (79, 18521), (80, 18527), (95, 18590), (102, 18632), (125, 18710), (133, 18758), (138, 18782), (142, 18800), (143, 18806),

Gene: Jiminy_24 Start: 18230, Stop: 18652, Start Num: 40

Candidate Starts for Jiminy_24:

(Start: 40 @18230 has 68 MA's), (77, 18353), (79, 18359), (80, 18365), (95, 18428), (102, 18470), (125, 18548), (133, 18596), (138, 18620), (142, 18638), (143, 18644),

Gene: Jiraiya_24 Start: 18390, Stop: 18812, Start Num: 41

Candidate Starts for Jiraiya_24:

(26, 18324), (Start: 41 @18390 has 216 MA's), (77, 18513), (79, 18519), (80, 18525), (95, 18588), (102, 18630), (125, 18708), (133, 18756), (138, 18780), (142, 18798), (143, 18804),

Gene: Jolie1_021 Start: 17832, Stop: 18245, Start Num: 40

Candidate Starts for Jolie1_021:

(Start: 40 @17832 has 68 MA's), (88, 18000), (90, 18009), (95, 18027), (123, 18144),

Gene: JoyceMaria_23 Start: 19337, Stop: 19750, Start Num: 46

Candidate Starts for JoyceMaria_23:

(Start: 46 @19337 has 76 MA's), (77, 19451), (79, 19457), (80, 19463), (88, 19499), (98, 19538), (101, 19550), (102, 19568), (125, 19646), (137, 19715), (138, 19718), (143, 19742),

Gene: Judebell_35 Start: 22375, Stop: 22779, Start Num: 52

Candidate Starts for Judebell_35:

(Start: 52 @22375 has 39 MA's), (56, 22387), (100, 22585), (102, 22606), (110, 22651), (115, 22660), (147, 22765), (150, 22774),

Gene: KLucky39_25 Start: 18674, Stop: 19096, Start Num: 41

Candidate Starts for KLucky39_25:

(26, 18608), (Start: 41 @18674 has 216 MA's), (77, 18797), (79, 18803), (80, 18809), (95, 18872), (102, 18914), (125, 18992), (133, 19040), (138, 19064), (142, 19082), (143, 19088),

Gene: Kahve_24 Start: 18396, Stop: 18818, Start Num: 41

Candidate Starts for Kahve_24:

(26, 18330), (Start: 41 @18396 has 216 MA's), (77, 18519), (79, 18525), (80, 18531), (95, 18594), (102, 18636), (113, 18687), (125, 18714), (133, 18762), (138, 18786), (142, 18804), (143, 18810),

Gene: Kailash_25 Start: 18704, Stop: 19126, Start Num: 40

Candidate Starts for Kailash_25:

(Start: 40 @18704 has 68 MA's), (68, 18776), (77, 18827), (79, 18833), (80, 18839), (95, 18902), (102, 18944), (125, 19022), (133, 19070), (138, 19094), (142, 19112), (143, 19118),

Gene: Kamashten_29 Start: 23229, Stop: 23663, Start Num: 58

Candidate Starts for Kamashten_29:

(Start: 44 @23199 has 19 MA's), (Start: 58 @23229 has 102 MA's), (76, 23313), (93, 23388), (97, 23412), (108, 23490), (117, 23511), (134, 23583), (149, 23634),

Gene: Kamiyu_26 Start: 19332, Stop: 19745, Start Num: 46

Candidate Starts for Kamiyu_26:

(Start: 46 @19332 has 76 MA's), (70, 19407), (79, 19452), (80, 19458), (104, 19590), (137, 19716),

Gene: KarasumaRum_27 Start: 19514, Stop: 19930, Start Num: 44

Candidate Starts for KarasumaRum_27:

(Start: 44 @19514 has 19 MA's), (95, 19706), (113, 19799), (144, 19925),

Gene: Karn_24 Start: 18390, Stop: 18812, Start Num: 40

Candidate Starts for Karn_24:

(Start: 40 @18390 has 68 MA's), (77, 18513), (79, 18519), (80, 18525), (95, 18588), (102, 18630), (125, 18708), (133, 18756), (138, 18780), (142, 18798), (143, 18804),

Gene: Katniss_25 Start: 18694, Stop: 19116, Start Num: 41

Candidate Starts for Katniss_25:

(26, 18628), (Start: 41 @18694 has 216 MA's), (77, 18817), (79, 18823), (80, 18829), (95, 18892), (102, 18934), (125, 19012), (133, 19060), (138, 19084), (142, 19102), (143, 19108),

Gene: KayaCho_21 Start: 17836, Stop: 18249, Start Num: 40

Candidate Starts for KayaCho_21:

(Start: 40 @17836 has 68 MA's), (80, 17968), (88, 18004), (95, 18031), (102, 18073), (123, 18148), (125, 18151),

Gene: Keitabear_30 Start: 24585, Stop: 25019, Start Num: 58

Candidate Starts for Keitabear_30:

(Start: 44 @24555 has 19 MA's), (Start: 58 @24585 has 102 MA's), (76, 24669), (93, 24744), (97, 24768), (108, 24846), (117, 24867), (134, 24939), (149, 24990),

Gene: Keitherie_25 Start: 18714, Stop: 19136, Start Num: 40

Candidate Starts for Keitherie_25:

(Start: 40 @18714 has 68 MA's), (68, 18786), (77, 18837), (79, 18843), (80, 18849), (95, 18912), (102, 18954), (125, 19032), (133, 19080), (138, 19104), (142, 19122), (143, 19128),

Gene: Kelcole_31 Start: 20979, Stop: 21374, Start Num: 50

Candidate Starts for Kelcole_31:

(Start: 50 @20979 has 12 MA's), (64, 21021), (68, 21030), (87, 21138), (109, 21252), (121, 21279), (146, 21366),

Gene: Kewpiedoll_29 Start: 22426, Stop: 22860, Start Num: 58

Candidate Starts for Kewpiedoll_29:

(Start: 44 @22396 has 19 MA's), (Start: 58 @22426 has 102 MA's), (76, 22510), (93, 22585), (97, 22609), (108, 22687), (117, 22708), (134, 22780), (149, 22831),

Gene: Khan1_25 Start: 18410, Stop: 18832, Start Num: 40

Candidate Starts for Khan1_25:

(Start: 40 @18410 has 68 MA's), (68, 18482), (77, 18533), (79, 18539), (80, 18545), (95, 18608), (102, 18650), (125, 18728), (133, 18776), (138, 18800), (142, 18818), (143, 18824),

Gene: Kikipoo_25 Start: 18686, Stop: 19108, Start Num: 41

Candidate Starts for Kikipoo_25:

(26, 18620), (Start: 41 @18686 has 216 MA's), (77, 18809), (79, 18815), (80, 18821), (95, 18884), (102, 18926), (113, 18977), (125, 19004), (133, 19052), (138, 19076), (142, 19094), (143, 19100),

Gene: KillerQueen_33 Start: 20774, Stop: 21169, Start Num: 50

Candidate Starts for KillerQueen_33:

(Start: 50 @20774 has 12 MA's), (68, 20825), (87, 20933), (102, 21008), (121, 21074), (146, 21161),

Gene: KimJongPhill_18 Start: 13783, Stop: 14178, Start Num: 61

Candidate Starts for KimJongPhill_18:

(31, 13690), (Start: 61 @13783 has 2 MA's), (68, 13807), (69, 13813), (76, 13861), (92, 13930), (102, 13990), (106, 14029), (145, 14164), (148, 14173),

Gene: Kimbrough_25 Start: 18388, Stop: 18810, Start Num: 41

Candidate Starts for Kimbrough_25:

(26, 18322), (Start: 41 @18388 has 216 MA's), (77, 18511), (79, 18517), (80, 18523), (95, 18586), (102, 18628), (125, 18706), (133, 18754), (138, 18778), (142, 18796), (143, 18802),

Gene: KimmyK_28 Start: 18286, Stop: 18729, Start Num: 58

Candidate Starts for KimmyK_28:

(Start: 58 @18286 has 102 MA's), (108, 18547), (149, 18703),

Gene: KingVeVeVe_25 Start: 18665, Stop: 19087, Start Num: 41

Candidate Starts for KingVeVeVe_25:

(26, 18599), (Start: 41 @18665 has 216 MA's), (77, 18788), (79, 18794), (80, 18800), (95, 18863), (102, 18905), (125, 18983), (133, 19031), (138, 19055), (142, 19073), (143, 19079),

Gene: Kithara_33 Start: 23575, Stop: 23991, Start Num: 46

Candidate Starts for Kithara_33:

(Start: 46 @23575 has 76 MA's), (68, 23635), (71, 23656), (124, 23896), (136, 23938),

Gene: KlimbOn_25 Start: 18674, Stop: 19096, Start Num: 41

Candidate Starts for KlimbOn_25:

(26, 18608), (Start: 41 @18674 has 216 MA's), (77, 18797), (79, 18803), (80, 18809), (95, 18872), (102, 18914), (125, 18992), (133, 19040), (138, 19064), (142, 19082), (143, 19088),

Gene: Kloppinator_25 Start: 18694, Stop: 19116, Start Num: 41

Candidate Starts for Kloppinator_25:

(26, 18628), (Start: 41 @18694 has 216 MA's), (77, 18817), (79, 18823), (80, 18829), (95, 18892), (102, 18934), (125, 19012), (133, 19060), (138, 19084), (142, 19102), (143, 19108),

Gene: Knocker_27 Start: 21795, Stop: 22214, Start Num: 44

Candidate Starts for Knocker_27:

(Start: 44 @21795 has 19 MA's), (80, 21924), (88, 21960), (101, 22011), (102, 22029), (113, 22080), (125, 22107), (128, 22122), (138, 22179), (142, 22197), (143, 22203),

Gene: Kronus_25 Start: 19946, Stop: 20359, Start Num: 46

Candidate Starts for Kronus_25:

(Start: 46 @19946 has 76 MA's), (79, 20066), (80, 20072), (91, 20120), (104, 20204), (137, 20330),

Gene: Kroos_30 Start: 22606, Stop: 23040, Start Num: 58

Candidate Starts for Kroos_30:

(55, 22597), (Start: 58 @22606 has 102 MA's), (76, 22690), (93, 22765), (108, 22867), (117, 22888), (132, 22945), (134, 22960), (149, 23011),

Gene: Kwadwo_24 Start: 18378, Stop: 18800, Start Num: 41

Candidate Starts for Kwadwo_24:

(26, 18312), (Start: 41 @18378 has 216 MA's), (77, 18501), (79, 18507), (80, 18513), (95, 18576), (102, 18618), (125, 18696), (133, 18744), (138, 18768), (142, 18786), (143, 18792),

Gene: Kwekel_27 Start: 19551, Stop: 19982, Start Num: 58

Candidate Starts for Kwekel_27:

(Start: 58 @19551 has 102 MA's), (76, 19635), (93, 19710), (96, 19731), (116, 19830), (122, 19845), (134, 19905), (147, 19953), (149, 19956), (151, 19965),

Gene: Kwksand96_24 Start: 18240, Stop: 18662, Start Num: 40

Candidate Starts for Kwksand96_24:

(Start: 40 @18240 has 68 MA's), (77, 18363), (79, 18369), (80, 18375), (95, 18438), (102, 18480), (125, 18558), (133, 18606), (138, 18630), (142, 18648), (143, 18654),

Gene: Kwobi_31 Start: 22592, Stop: 23026, Start Num: 58

Candidate Starts for Kwobi_31:

(55, 22583), (Start: 58 @22592 has 102 MA's), (76, 22676), (93, 22751), (108, 22853), (117, 22874), (132, 22931), (134, 22946), (149, 22997),

Gene: Kyva_35 Start: 22599, Stop: 23012, Start Num: 52

Candidate Starts for Kyva_35:

(32, 22542), (Start: 52 @22599 has 39 MA's), (87, 22758), (107, 22875), (115, 22890),

Gene: Labeouficaum_24 Start: 18236, Stop: 18658, Start Num: 40

Candidate Starts for Labeouficaum_24:

(Start: 40 @18236 has 68 MA's), (77, 18359), (79, 18365), (80, 18371), (95, 18434), (102, 18476), (125, 18554), (133, 18602), (138, 18626), (142, 18644), (143, 18650),

Gene: Lambano_22 Start: 18304, Stop: 18717, Start Num: 46

Candidate Starts for Lambano_22:

(Start: 46 @18304 has 76 MA's), (77, 18418), (79, 18424), (80, 18430), (88, 18466), (95, 18493), (98, 18505), (101, 18517), (102, 18535), (125, 18613), (137, 18682), (143, 18709),

Gene: Larson_26 Start: 18712, Stop: 19134, Start Num: 40

Candidate Starts for Larson_26:

(Start: 40 @18712 has 68 MA's), (68, 18784), (77, 18835), (79, 18841), (80, 18847), (95, 18910), (102, 18952), (125, 19030), (133, 19078), (138, 19102), (142, 19120), (143, 19126),

Gene: LasagnaCat_25 Start: 18680, Stop: 19102, Start Num: 41

Candidate Starts for LasagnaCat_25:

(24, 18590), (26, 18614), (Start: 41 @18680 has 216 MA's), (77, 18803), (79, 18809), (80, 18815), (95, 18878), (102, 18920), (125, 18998), (133, 19046), (138, 19070), (142, 19088), (143, 19094),

Gene: Lasso_25 Start: 18653, Stop: 19075, Start Num: 41

Candidate Starts for Lasso_25:

(26, 18587), (Start: 41 @18653 has 216 MA's), (77, 18776), (79, 18782), (80, 18788), (95, 18851), (102, 18893), (113, 18944), (125, 18971), (133, 19019), (138, 19043), (142, 19061), (143, 19067),

Gene: LeeLot_25 Start: 18678, Stop: 19100, Start Num: 41

Candidate Starts for LeeLot_25:

(26, 18612), (Start: 41 @18678 has 216 MA's), (77, 18801), (79, 18807), (80, 18813), (95, 18876), (102, 18918), (125, 18996), (133, 19044), (138, 19068), (142, 19086), (143, 19092),

Gene: Lego3393_25 Start: 18690, Stop: 19112, Start Num: 41

Candidate Starts for Lego3393_25:

(26, 18624), (Start: 41 @18690 has 216 MA's), (77, 18813), (79, 18819), (80, 18825), (95, 18888), (102, 18930), (125, 19008), (133, 19056), (138, 19080), (142, 19098), (143, 19104),

Gene: Legolas_24 Start: 18394, Stop: 18816, Start Num: 41

Candidate Starts for Legolas_24:

(26, 18328), (Start: 41 @18394 has 216 MA's), (77, 18517), (79, 18523), (80, 18529), (95, 18592), (102, 18634), (125, 18712), (133, 18760), (138, 18784), (142, 18802), (143, 18808),

Gene: Lehmann_25 Start: 18220, Stop: 18642, Start Num: 41

Candidate Starts for Lehmann_25:

(26, 18154), (Start: 41 @18220 has 216 MA's), (77, 18343), (79, 18349), (80, 18355), (95, 18418), (102, 18460), (125, 18538), (133, 18586), (138, 18610), (142, 18628), (143, 18634),

Gene: LeiMonet_25 Start: 18385, Stop: 18807, Start Num: 41

Candidate Starts for LeiMonet_25:

(26, 18319), (Start: 41 @18385 has 216 MA's), (77, 18508), (79, 18514), (80, 18520), (95, 18583), (102, 18625), (113, 18676), (125, 18703), (133, 18751), (138, 18775), (142, 18793), (143, 18799),

Gene: LemonSlice_25 Start: 18385, Stop: 18807, Start Num: 41

Candidate Starts for LemonSlice_25:

(26, 18319), (Start: 41 @18385 has 216 MA's), (77, 18508), (79, 18514), (80, 18520), (95, 18583), (102, 18625), (125, 18703), (133, 18751), (138, 18775), (142, 18793), (143, 18799),

Gene: Lennon_30 Start: 24387, Stop: 24821, Start Num: 58

Candidate Starts for Lennon_30:

(Start: 44 @24357 has 19 MA's), (Start: 58 @24387 has 102 MA's), (76, 24471), (93, 24546), (108, 24648), (117, 24669), (134, 24741), (149, 24792),

Gene: Leonard_28 Start: 21406, Stop: 21837, Start Num: 58

Candidate Starts for Leonard_28:

(12, 21178), (15, 21214), (48, 21379), (51, 21382), (Start: 58 @21406 has 102 MA's), (76, 21490), (96, 21586), (108, 21667), (111, 21673), (116, 21685), (132, 21745), (137, 21769), (147, 21808), (149, 21811),

Gene: LestyG_26 Start: 19367, Stop: 19780, Start Num: 46

Candidate Starts for LestyG_26:

(Start: 46 @19367 has 76 MA's), (70, 19442), (79, 19487), (80, 19493), (104, 19625), (137, 19751),

Gene: Ligma_22 Start: 17225, Stop: 17635, Start Num: 43

Candidate Starts for Ligma_22:

(Start: 43 @17225 has 22 MA's), (70, 17306), (77, 17345), (80, 17357), (89, 17399), (91, 17405), (95, 17423), (112, 17513),

Gene: LilHam_27 Start: 21186, Stop: 21620, Start Num: 58

Candidate Starts for LilHam_27:

(55, 21177), (Start: 58 @21186 has 102 MA's), (76, 21270), (93, 21345), (108, 21447), (117, 21468), (132, 21525), (134, 21540), (149, 21591),

Gene: LilMcDreamy_22 Start: 19306, Stop: 19722, Start Num: 44

Candidate Starts for LilMcDreamy_22:

(Start: 44 @19306 has 19 MA's), (71, 19393), (79, 19429), (80, 19435), (105, 19570), (125, 19618),

Gene: Lilbeanie_25 Start: 16498, Stop: 16914, Start Num: 57

Candidate Starts for Lilbeanie_25:

(Start: 57 @16498 has 1 MA's), (76, 16585), (122, 16795), (149, 16888),

Gene: LittleDigger_22 Start: 18311, Stop: 18724, Start Num: 46

Candidate Starts for LittleDigger_22:

(Start: 46 @18311 has 76 MA's), (77, 18425), (79, 18431), (80, 18437), (88, 18473), (98, 18512), (101, 18524), (102, 18542), (125, 18620), (137, 18689), (143, 18716),

Gene: LittleMinkey_30 Start: 19265, Stop: 19681, Start Num: 44

Candidate Starts for LittleMinkey_30:

(Start: 44 @19265 has 19 MA's), (83, 19418), (84, 19421), (125, 19577), (128, 19592), (143, 19673),

Gene: LittleMunchkin_24 Start: 20052, Stop: 20465, Start Num: 43

Candidate Starts for LittleMunchkin_24:

(Start: 43 @20052 has 22 MA's), (68, 20121), (70, 20133), (80, 20184), (91, 20232), (125, 20370), (137, 20439),

Gene: Llemily_32 Start: 21645, Stop: 22049, Start Num: 52

Candidate Starts for Llemily_32:

(32, 21588), (Start: 52 @21645 has 39 MA's), (62, 21681), (100, 21855), (102, 21876), (110, 21921), (115, 21930), (147, 22035), (150, 22044),

Gene: Lolalove_23 Start: 19333, Stop: 19746, Start Num: 46

Candidate Starts for Lolalove_23:

(Start: 46 @19333 has 76 MA's), (77, 19447), (79, 19453), (80, 19459), (88, 19495), (98, 19534), (101, 19546), (102, 19564), (125, 19642), (133, 19690), (137, 19711), (138, 19714), (143, 19738),

Gene: Lonelysoil_32 Start: 21890, Stop: 22294, Start Num: 52

Candidate Starts for Lonelysoil_32:

(32, 21833), (Start: 52 @21890 has 39 MA's), (62, 21926), (100, 22100), (102, 22121), (110, 22166), (115, 22175), (147, 22280), (150, 22289),

Gene: Longacauda_24 Start: 18380, Stop: 18802, Start Num: 40

Candidate Starts for Longacauda_24:

(Start: 40 @18380 has 68 MA's), (77, 18503), (79, 18509), (80, 18515), (95, 18578), (102, 18620), (125, 18698), (133, 18746), (138, 18770), (142, 18788), (143, 18794),

Gene: Lopsy_24 Start: 18236, Stop: 18658, Start Num: 41

Candidate Starts for Lopsy_24:

(26, 18170), (Start: 41 @18236 has 216 MA's), (77, 18359), (79, 18365), (80, 18371), (95, 18434), (102, 18476), (125, 18554), (133, 18602), (138, 18626), (142, 18644), (143, 18650),

Gene: LostAndPhound_24 Start: 18387, Stop: 18809, Start Num: 41

Candidate Starts for LostAndPhound_24:

(26, 18321), (Start: 41 @18387 has 216 MA's), (77, 18510), (79, 18516), (80, 18522), (95, 18585), (102, 18627), (113, 18678), (125, 18705), (133, 18753), (138, 18777), (142, 18795), (143, 18801),

Gene: Love_33 Start: 24151, Stop: 24585, Start Num: 58

Candidate Starts for Love_33:

(Start: 44 @24121 has 19 MA's), (Start: 58 @24151 has 102 MA's), (76, 24235), (93, 24310), (97, 24334), (108, 24412), (134, 24505), (149, 24556),

Gene: LuckyMarjie_24 Start: 18400, Stop: 18822, Start Num: 41

Candidate Starts for LuckyMarjie_24:

(26, 18334), (Start: 41 @18400 has 216 MA's), (77, 18523), (79, 18529), (80, 18535), (95, 18598), (102, 18640), (125, 18718), (133, 18766), (138, 18790), (142, 18808), (143, 18814),

Gene: Lulumae_24 Start: 18378, Stop: 18800, Start Num: 41

Candidate Starts for Lulumae_24:

(26, 18312), (Start: 41 @18378 has 216 MA's), (77, 18501), (79, 18507), (80, 18513), (95, 18576), (102, 18618), (125, 18696), (133, 18744), (138, 18768), (142, 18786), (143, 18792),

Gene: Lulwa_25 Start: 18665, Stop: 19087, Start Num: 41

Candidate Starts for Lulwa_25:

(26, 18599), (Start: 41 @18665 has 216 MA's), (77, 18788), (79, 18794), (80, 18800), (95, 18863), (102, 18905), (125, 18983), (133, 19031), (138, 19055), (142, 19073), (143, 19079),

Gene: Lumine_24 Start: 18374, Stop: 18796, Start Num: 41

Candidate Starts for Lumine_24:

(26, 18308), (Start: 41 @18374 has 216 MA's), (77, 18497), (79, 18503), (80, 18509), (95, 18572), (102, 18614), (125, 18692), (133, 18740), (138, 18764), (142, 18782), (143, 18788),

Gene: MRabcd_24 Start: 18379, Stop: 18801, Start Num: 41

Candidate Starts for MRabcd_24:

(26, 18313), (Start: 41 @18379 has 216 MA's), (77, 18502), (79, 18508), (80, 18514), (95, 18577), (102, 18619), (113, 18670), (125, 18697), (133, 18745), (138, 18769), (142, 18787), (143, 18793),

Gene: Mag7_24 Start: 18254, Stop: 18676, Start Num: 40

Candidate Starts for Mag7_24:

(Start: 40 @18254 has 68 MA's), (68, 18326), (77, 18377), (79, 18383), (80, 18389), (95, 18452), (102, 18494), (125, 18572), (133, 18620), (138, 18644), (142, 18662), (143, 18668),

Gene: Magic8_25 Start: 18692, Stop: 19114, Start Num: 40

Candidate Starts for Magic8_25:

(Start: 40 @18692 has 68 MA's), (68, 18764), (77, 18815), (79, 18821), (80, 18827), (95, 18890), (102, 18932), (125, 19010), (133, 19058), (138, 19082), (142, 19100), (143, 19106),

Gene: Magpie_22 Start: 19156, Stop: 19569, Start Num: 46

Candidate Starts for Magpie_22:

(Start: 46 @19156 has 76 MA's), (77, 19270), (79, 19276), (80, 19282), (88, 19318), (98, 19357), (101, 19369), (102, 19387), (125, 19465), (137, 19534), (138, 19537), (143, 19561),

Gene: MakoManhole_24 Start: 18622, Stop: 19032, Start Num: 43

Candidate Starts for MakoManhole_24:

(Start: 43 @18622 has 22 MA's), (85, 18784), (89, 18796), (102, 18862), (104, 18886), (118, 18925), (125, 18940),

Gene: Mana_24 Start: 18381, Stop: 18803, Start Num: 41

Candidate Starts for Mana_24:

(26, 18315), (Start: 41 @18381 has 216 MA's), (77, 18504), (79, 18510), (80, 18516), (95, 18579), (102, 18621), (113, 18672), (125, 18699), (133, 18747), (138, 18771), (142, 18789), (143, 18795),

Gene: Manad_24 Start: 18231, Stop: 18653, Start Num: 41

Candidate Starts for Manad_24:

(26, 18165), (Start: 41 @18231 has 216 MA's), (77, 18354), (79, 18360), (80, 18366), (95, 18429), (102, 18471), (125, 18549), (133, 18597), (138, 18621), (142, 18639), (143, 18645),

Gene: Mao1_21 Start: 16621, Stop: 17025, Start Num: 45

Candidate Starts for Mao1_21:

(Start: 45 @16621 has 4 MA's), (70, 16699), (79, 16744), (80, 16750), (90, 16795), (95, 16816), (102, 16858), (104, 16882), (113, 16909), (118, 16921), (135, 16999),

Gene: Marcie_37 Start: 21635, Stop: 22030, Start Num: 50

Candidate Starts for Marcie_37:

(Start: 50 @21635 has 12 MA's), (64, 21677), (99, 21845), (121, 21935), (146, 22022),

Gene: Mariokart_22 Start: 17119, Stop: 17532, Start Num: 43

Candidate Starts for Mariokart_22:

(1, 16399), (2, 16444), (3, 16510), (4, 16582), (5, 16648), (22, 17020), (Start: 36 @17098 has 1 MA's), (Start: 43 @17119 has 22 MA's), (70, 17200), (71, 17209), (79, 17245), (80, 17251), (91, 17299), (102, 17359),

Gene: Marley1013_26 Start: 20148, Stop: 20561, Start Num: 46

Candidate Starts for Marley1013_26:

(Start: 46 @20148 has 76 MA's), (79, 20268), (80, 20274), (91, 20322), (104, 20406), (137, 20532),

Gene: Marlia_26 Start: 19347, Stop: 19760, Start Num: 46

Candidate Starts for Marlia_26:

(Start: 46 @19347 has 76 MA's), (70, 19422), (79, 19467), (80, 19473), (91, 19521), (104, 19605), (137, 19731),

Gene: Maru_24 Start: 18380, Stop: 18802, Start Num: 41

Candidate Starts for Maru_24:

(26, 18314), (Start: 41 @18380 has 216 MA's), (77, 18503), (79, 18509), (80, 18515), (95, 18578), (102, 18620), (125, 18698), (133, 18746), (138, 18770), (142, 18788), (143, 18794),

Gene: Mashley_31 Start: 22162, Stop: 22575, Start Num: 52

Candidate Starts for Mashley_31:

(32, 22105), (Start: 52 @22162 has 39 MA's), (71, 22234), (87, 22321), (107, 22438), (115, 22453),

Gene: Mask_22 Start: 16622, Stop: 17026, Start Num: 45

Candidate Starts for Mask_22:

(Start: 45 @16622 has 4 MA's), (70, 16700), (79, 16745), (80, 16751), (90, 16796), (95, 16817), (102, 16859), (104, 16883), (113, 16910), (118, 16922), (135, 17000),

Gene: Maskar_24 Start: 18226, Stop: 18648, Start Num: 40

Candidate Starts for Maskar_24:

(Start: 40 @18226 has 68 MA's), (77, 18349), (79, 18355), (80, 18361), (95, 18424), (102, 18466), (125, 18544), (133, 18592), (138, 18616), (142, 18634), (143, 18640),

Gene: Matalotodo_25 Start: 18673, Stop: 19095, Start Num: 41

Candidate Starts for Matalotodo_25:

(26, 18607), (Start: 41 @18673 has 216 MA's), (77, 18796), (79, 18802), (80, 18808), (95, 18871), (102, 18913), (125, 18991), (133, 19039), (138, 19063), (142, 19081), (143, 19087),

Gene: McCrothy_30 Start: 23959, Stop: 24393, Start Num: 58

Candidate Starts for McCrothy_30:

(Start: 44 @23920 has 19 MA's), (Start: 58 @23959 has 102 MA's), (76, 24043), (108, 24220), (117, 24241), (134, 24313), (149, 24364),

Gene: McKinley_32 Start: 24183, Stop: 24617, Start Num: 58

Candidate Starts for McKinley_32:

(Start: 44 @24153 has 19 MA's), (Start: 58 @24183 has 102 MA's), (76, 24267), (93, 24342), (97, 24366), (108, 24444), (134, 24537), (149, 24588),

Gene: Mcshane_24 Start: 18376, Stop: 18798, Start Num: 41

Candidate Starts for Mcshane_24:

(26, 18310), (Start: 41 @18376 has 216 MA's), (77, 18499), (79, 18505), (80, 18511), (95, 18574), (102, 18616), (125, 18694), (133, 18742), (138, 18766), (142, 18784), (143, 18790),

Gene: Mecca_24 Start: 18373, Stop: 18795, Start Num: 41

Candidate Starts for Mecca_24:

(26, 18307), (Start: 41 @18373 has 216 MA's), (77, 18496), (79, 18502), (80, 18508), (95, 18571), (102, 18613), (125, 18691), (133, 18739), (138, 18763), (142, 18781), (143, 18787),

Gene: Megabear_19 Start: 18137, Stop: 18547, Start Num: 47

Candidate Starts for Megabear_19:

(Start: 47 @18137 has 8 MA's), (70, 18212), (79, 18257), (80, 18263), (89, 18305), (95, 18329), (100, 18350), (123, 18452), (133, 18497),

Gene: Megamind20_25 Start: 18394, Stop: 18816, Start Num: 41

Candidate Starts for Megamind20_25:

(26, 18328), (Start: 41 @18394 has 216 MA's), (77, 18517), (79, 18523), (80, 18529), (95, 18592), (102, 18634), (125, 18712), (133, 18760), (138, 18784), (142, 18802), (143, 18808),

Gene: Megatron_25 Start: 18677, Stop: 19099, Start Num: 41

Candidate Starts for Megatron_25:

(26, 18611), (Start: 41 @18677 has 216 MA's), (77, 18800), (79, 18806), (80, 18812), (95, 18875), (102, 18917), (113, 18968), (125, 18995), (133, 19043), (138, 19067), (142, 19085), (143, 19091),

Gene: MelBins_29 Start: 21614, Stop: 22045, Start Num: 58

Candidate Starts for MelBins_29:

(15, 21422), (48, 21587), (Start: 58 @21614 has 102 MA's), (76, 21698), (96, 21794), (108, 21875), (111, 21881), (116, 21893), (132, 21953), (137, 21977), (147, 22016), (149, 22019),

Gene: Melc17_25 Start: 18668, Stop: 19090, Start Num: 40

Candidate Starts for Melc17_25:

(Start: 40 @18668 has 68 MA's), (77, 18791), (79, 18797), (80, 18803), (95, 18866), (102, 18908), (125, 18986), (133, 19034), (138, 19058), (142, 19076), (143, 19082),

Gene: MelsMeow_24 Start: 18254, Stop: 18676, Start Num: 40

Candidate Starts for MelsMeow_24:

(Start: 40 @18254 has 68 MA's), (68, 18326), (77, 18377), (79, 18383), (80, 18389), (95, 18452), (102, 18494), (125, 18572), (133, 18620), (138, 18644), (142, 18662), (143, 18668),

Gene: Mentos_38 Start: 23249, Stop: 23662, Start Num: 52

Candidate Starts for Mentos_38:

(32, 23192), (Start: 52 @23249 has 39 MA's), (87, 23408), (107, 23525), (115, 23540),

Gene: Mesh1_25 Start: 18685, Stop: 19107, Start Num: 41

Candidate Starts for Mesh1_25:

(26, 18619), (Start: 41 @18685 has 216 MA's), (77, 18808), (79, 18814), (80, 18820), (95, 18883), (102, 18925), (125, 19003), (133, 19051), (138, 19075), (142, 19093), (143, 19099),

Gene: Mesmerelda_24 Start: 18379, Stop: 18801, Start Num: 41

Candidate Starts for Mesmerelda_24:

(26, 18313), (Start: 41 @18379 has 216 MA's), (77, 18502), (79, 18508), (80, 18514), (95, 18577), (102, 18619), (125, 18697), (133, 18745), (138, 18769), (142, 18787), (143, 18793),

Gene: MichaelPhcott_24 Start: 18254, Stop: 18676, Start Num: 40

Candidate Starts for MichaelPhcott_24:

(Start: 40 @18254 has 68 MA's), (68, 18326), (77, 18377), (79, 18383), (80, 18389), (95, 18452), (102, 18494), (125, 18572), (133, 18620), (138, 18644), (142, 18662), (143, 18668),

Gene: Mikota_25 Start: 18661, Stop: 19083, Start Num: 41

Candidate Starts for Mikota_25:

(26, 18595), (Start: 41 @18661 has 216 MA's), (77, 18784), (79, 18790), (80, 18796), (95, 18859), (102, 18901), (125, 18979), (133, 19027), (138, 19051), (142, 19069), (143, 19075),

Gene: Mila11_36 Start: 23134, Stop: 23547, Start Num: 52

Candidate Starts for Mila11_36:

(32, 23077), (Start: 52 @23134 has 39 MA's), (87, 23293), (107, 23410), (115, 23425),

Gene: MiniBoss_25 Start: 18664, Stop: 19086, Start Num: 41

Candidate Starts for MiniBoss_25:

(26, 18598), (Start: 41 @18664 has 216 MA's), (77, 18787), (79, 18793), (80, 18799), (95, 18862), (102, 18904), (125, 18982), (133, 19030), (138, 19054), (142, 19072), (143, 19078),

Gene: MitKao_25 Start: 18382, Stop: 18804, Start Num: 41

Candidate Starts for MitKao_25:

(26, 18316), (Start: 41 @18382 has 216 MA's), (77, 18505), (79, 18511), (80, 18517), (95, 18580), (102, 18622), (125, 18700), (133, 18748), (138, 18772), (142, 18790), (143, 18796),

Gene: Mithril_23 Start: 19337, Stop: 19750, Start Num: 46

Candidate Starts for Mithril_23:

(Start: 46 @19337 has 76 MA's), (77, 19451), (79, 19457), (80, 19463), (88, 19499), (98, 19538), (101, 19550), (102, 19568), (125, 19646), (137, 19715), (138, 19718), (143, 19742),

Gene: MmasiCarm_26 Start: 19358, Stop: 19771, Start Num: 46

Candidate Starts for MmasiCarm_26:

(Start: 46 @19358 has 76 MA's), (79, 19478), (80, 19484), (91, 19532), (104, 19616), (137, 19742),

Gene: MoontowerMania_29 Start: 22994, Stop: 23428, Start Num: 58

Candidate Starts for MoontowerMania_29:

(19, 22829), (Start: 44 @22964 has 19 MA's), (Start: 58 @22994 has 102 MA's), (76, 23078), (93, 23153), (108, 23255), (117, 23276), (134, 23348), (149, 23399),

Gene: Morgushi_25 Start: 18387, Stop: 18809, Start Num: 41

Candidate Starts for Morgushi_25:

(26, 18321), (Start: 41 @18387 has 216 MA's), (77, 18510), (79, 18516), (80, 18522), (95, 18585), (102, 18627), (125, 18705), (133, 18753), (138, 18777), (142, 18795), (143, 18801),

Gene: MorillMayhem_32 Start: 22160, Stop: 22564, Start Num: 52

Candidate Starts for MorillMayhem_32:

(32, 22103), (Start: 52 @22160 has 39 MA's), (62, 22196), (100, 22370), (102, 22391), (110, 22436), (115, 22445), (147, 22550), (150, 22559),

Gene: Mortcellus_25 Start: 20001, Stop: 20414, Start Num: 46

Candidate Starts for Mortcellus_25:

(Start: 46 @20001 has 76 MA's), (79, 20121), (80, 20127), (91, 20175), (104, 20259), (137, 20385),

Gene: Morty_25 Start: 18686, Stop: 19108, Start Num: 41

Candidate Starts for Morty_25:

(26, 18620), (Start: 41 @18686 has 216 MA's), (77, 18809), (79, 18815), (80, 18821), (95, 18884), (102, 18926), (113, 18977), (125, 19004), (133, 19052), (138, 19076), (142, 19094), (143, 19100),

Gene: Morty007_26 Start: 20148, Stop: 20561, Start Num: 46

Candidate Starts for Morty007_26:

(Start: 46 @20148 has 76 MA's), (79, 20268), (80, 20274), (91, 20322), (104, 20406), (137, 20532),

Gene: Mosaic_24 Start: 18388, Stop: 18810, Start Num: 41

Candidate Starts for Mosaic_24:

(26, 18322), (Start: 41 @18388 has 216 MA's), (77, 18511), (79, 18517), (80, 18523), (95, 18586), (102, 18628), (125, 18706), (133, 18754), (138, 18778), (142, 18796), (143, 18802),

Gene: MossRose_24 Start: 18601, Stop: 19011, Start Num: 43

Candidate Starts for MossRose_24:

(Start: 43 @18601 has 22 MA's), (85, 18763), (89, 18775), (102, 18841), (104, 18865), (118, 18904), (125, 18919), (138, 18991),

Gene: MrPhizzler_25 Start: 18387, Stop: 18809, Start Num: 40

Candidate Starts for MrPhizzler_25:

(Start: 40 @18387 has 68 MA's), (77, 18510), (79, 18516), (80, 18522), (95, 18585), (102, 18627), (125, 18705), (133, 18753), (138, 18777), (142, 18795), (143, 18801),

Gene: Mudslide_23 Start: 19584, Stop: 19997, Start Num: 46

Candidate Starts for Mudslide_23:

(Start: 46 @19584 has 76 MA's), (77, 19698), (79, 19704), (80, 19710), (88, 19746), (98, 19785), (101, 19797), (102, 19815), (125, 19893), (128, 19908), (137, 19962), (138, 19965), (143, 19989),

Gene: Mulan_24 Start: 18382, Stop: 18804, Start Num: 41

Candidate Starts for Mulan_24:

(26, 18316), (Start: 41 @18382 has 216 MA's), (77, 18505), (79, 18511), (80, 18517), (95, 18580), (102, 18622), (125, 18700), (133, 18748), (138, 18772), (142, 18790), (143, 18796),

Gene: Mulaychimus_26 Start: 19340, Stop: 19753, Start Num: 46

Candidate Starts for Mulaychimus_26:

(Start: 46 @19340 has 76 MA's), (79, 19460), (80, 19466), (91, 19514), (104, 19598), (137, 19724),

Gene: Murdoc_25 Start: 18675, Stop: 19097, Start Num: 41

Candidate Starts for Murdoc_25:

(26, 18609), (Start: 41 @18675 has 216 MA's), (77, 18798), (79, 18804), (80, 18810), (95, 18873), (102, 18915), (125, 18993), (133, 19041), (138, 19065), (142, 19083), (143, 19089),

Gene: Mutante_24 Start: 18385, Stop: 18807, Start Num: 41

Candidate Starts for Mutante_24:

(26, 18319), (Start: 41 @18385 has 216 MA's), (77, 18508), (79, 18514), (80, 18520), (95, 18583), (102, 18625), (125, 18703), (133, 18751), (138, 18775), (142, 18793), (143, 18799),

Gene: Mutzi_28 Start: 18027, Stop: 18470, Start Num: 58

Candidate Starts for Mutzi_28:

(13, 17811), (Start: 58 @18027 has 102 MA's), (149, 18444),

Gene: Mysterious_25 Start: 19640, Stop: 20056, Start Num: 44

Candidate Starts for Mysterious_25:

(Start: 44 @19640 has 19 MA's), (66, 19700), (79, 19763), (80, 19769), (102, 19874), (105, 19904), (125, 19952),

Gene: Nacho_0025 Start: 18674, Stop: 19096, Start Num: 41

Candidate Starts for Nacho_0025:

(26, 18608), (Start: 41 @18674 has 216 MA's), (77, 18797), (79, 18803), (80, 18809), (95, 18872), (102, 18914), (125, 18992), (133, 19040), (138, 19064), (142, 19082), (143, 19088),

Gene: Namago_33 Start: 21729, Stop: 22142, Start Num: 52

Candidate Starts for Namago_33:

(32, 21672), (Start: 52 @21729 has 39 MA's), (87, 21888), (107, 22005), (115, 22020),

Gene: Nanao_22 Start: 18303, Stop: 18716, Start Num: 46

Candidate Starts for Nanao_22:

(Start: 46 @18303 has 76 MA's), (77, 18417), (79, 18423), (80, 18429), (88, 18465), (95, 18492), (98, 18504), (101, 18516), (102, 18534), (125, 18612), (137, 18681), (143, 18708),

Gene: Nangang_25 Start: 19342, Stop: 19758, Start Num: 44

Candidate Starts for Nangang_25:

(Start: 44 @19342 has 19 MA's), (95, 19534), (102, 19576), (113, 19627), (144, 19753),

Gene: Nathan_25 Start: 18704, Stop: 19126, Start Num: 40

Candidate Starts for Nathan_25:

(Start: 40 @18704 has 68 MA's), (68, 18776), (77, 18827), (79, 18833), (80, 18839), (95, 18902), (102, 18944), (125, 19022), (133, 19070), (138, 19094), (142, 19112), (143, 19118),

Gene: Natkenzie_30 Start: 22964, Stop: 23395, Start Num: 58

Candidate Starts for Natkenzie_30:

(35, 22904), (48, 22937), (Start: 58 @22964 has 102 MA's), (84, 23093), (93, 23123), (108, 23225), (111, 23231), (117, 23246), (132, 23303), (134, 23318), (147, 23366), (149, 23369),

Gene: Nehemiah_24 Start: 19640, Stop: 20056, Start Num: 44

Candidate Starts for Nehemiah_24:

(Start: 44 @19640 has 19 MA's), (66, 19700), (79, 19763), (80, 19769), (102, 19874), (105, 19904), (125, 19952),

Gene: Neos5_26 Start: 20155, Stop: 20568, Start Num: 46

Candidate Starts for Neos5_26:

(Start: 46 @20155 has 76 MA's), (70, 20230), (79, 20275), (80, 20281), (104, 20413), (137, 20539),

Gene: Newman_25 Start: 18674, Stop: 19096, Start Num: 41

Candidate Starts for Newman_25:

(26, 18608), (Start: 41 @18674 has 216 MA's), (77, 18797), (79, 18803), (80, 18809), (95, 18872), (102, 18914), (125, 18992), (133, 19040), (138, 19064), (142, 19082), (143, 19088),

Gene: Nicole21_25 Start: 18666, Stop: 19088, Start Num: 41

Candidate Starts for Nicole21_25:

(26, 18600), (Start: 41 @18666 has 216 MA's), (77, 18789), (79, 18795), (80, 18801), (95, 18864), (102, 18906), (125, 18984), (133, 19032), (138, 19056), (142, 19074), (143, 19080),

Gene: Nigel_21 Start: 18187, Stop: 18600, Start Num: 46

Candidate Starts for Nigel_21:

(Start: 46 @18187 has 76 MA's), (80, 18313), (95, 18376), (98, 18388), (102, 18418), (143, 18592),

Gene: Nike_33 Start: 22681, Stop: 23094, Start Num: 52

Candidate Starts for Nike_33:

(32, 22624), (Start: 52 @22681 has 39 MA's), (87, 22840), (107, 22957), (115, 22972),

Gene: Nordenberg_24 Start: 22353, Stop: 22787, Start Num: 58

Candidate Starts for Nordenberg_24:

(Start: 44 @22323 has 19 MA's), (Start: 58 @22353 has 102 MA's), (76, 22437), (93, 22512), (97, 22536), (108, 22614), (134, 22707), (149, 22758),

Gene: Nozo_26 Start: 20125, Stop: 20538, Start Num: 46

Candidate Starts for Nozo_26:

(Start: 46 @20125 has 76 MA's), (70, 20200), (79, 20245), (80, 20251), (104, 20383), (137, 20509),

Gene: Nubi_26 Start: 17592, Stop: 18035, Start Num: 58

Candidate Starts for Nubi_26:

(Start: 58 @17592 has 102 MA's), (108, 17853), (149, 18009),

Gene: Numberten_25 Start: 18679, Stop: 19101, Start Num: 41

Candidate Starts for Numberten_25:

(26, 18613), (Start: 41 @18679 has 216 MA's), (77, 18802), (79, 18808), (80, 18814), (95, 18877), (102, 18919), (125, 18997), (133, 19045), (138, 19069), (142, 19087), (143, 19093),

Gene: Nyala_24 Start: 18377, Stop: 18799, Start Num: 41

Candidate Starts for Nyala_24:

(26, 18311), (Start: 41 @18377 has 216 MA's), (77, 18500), (79, 18506), (80, 18512), (95, 18575), (102, 18617), (125, 18695), (133, 18743), (138, 18767), (142, 18785), (143, 18791),

Gene: OSmaximus_25 Start: 18703, Stop: 19125, Start Num: 40

Candidate Starts for OSmaximus_25:

(Start: 40 @18703 has 68 MA's), (68, 18775), (77, 18826), (79, 18832), (80, 18838), (95, 18901), (102, 18943), (125, 19021), (133, 19069), (138, 19093), (142, 19111), (143, 19117),

Gene: Obutu_26 Start: 19358, Stop: 19771, Start Num: 46
Candidate Starts for Obutu_26:
(Start: 46 @19358 has 76 MA's), (70, 19433), (79, 19478), (80, 19484), (104, 19616), (137, 19742),

Gene: Olak_24 Start: 18378, Stop: 18800, Start Num: 41
Candidate Starts for Olak_24:
(26, 18312), (Start: 41 @18378 has 216 MA's), (77, 18501), (79, 18507), (80, 18513), (95, 18576),
(102, 18618), (125, 18696), (133, 18744), (138, 18768), (142, 18786), (143, 18792),

Gene: Oline_24 Start: 18240, Stop: 18662, Start Num: 40
Candidate Starts for Oline_24:
(Start: 40 @18240 has 68 MA's), (77, 18363), (79, 18369), (80, 18375), (95, 18438), (102, 18480),
(125, 18558), (133, 18606), (138, 18630), (142, 18648), (143, 18654),

Gene: Olive_25 Start: 18667, Stop: 19089, Start Num: 41
Candidate Starts for Olive_25:
(26, 18601), (Start: 41 @18667 has 216 MA's), (77, 18790), (79, 18796), (80, 18802), (95, 18865),
(102, 18907), (125, 18985), (133, 19033), (138, 19057), (142, 19075), (143, 19081),

Gene: OliverWalter_25 Start: 18683, Stop: 19105, Start Num: 41
Candidate Starts for OliverWalter_25:
(26, 18617), (Start: 41 @18683 has 216 MA's), (77, 18806), (79, 18812), (80, 18818), (95, 18881),
(102, 18923), (125, 19001), (133, 19049), (138, 19073), (142, 19091), (143, 19097),

Gene: Olivio_25 Start: 19212, Stop: 19625, Start Num: 46
Candidate Starts for Olivio_25:
(Start: 46 @19212 has 76 MA's), (70, 19287), (79, 19332), (80, 19338), (104, 19470), (137, 19596),

Gene: Omniscient_25 Start: 18686, Stop: 19108, Start Num: 41
Candidate Starts for Omniscient_25:
(26, 18620), (Start: 41 @18686 has 216 MA's), (77, 18809), (79, 18815), (80, 18821), (95, 18884),
(102, 18926), (125, 19004), (133, 19052), (138, 19076), (142, 19094), (143, 19100),

Gene: OneBrain_25 Start: 18379, Stop: 18801, Start Num: 41
Candidate Starts for OneBrain_25:
(26, 18313), (Start: 41 @18379 has 216 MA's), (77, 18502), (79, 18508), (80, 18514), (95, 18577),
(102, 18619), (125, 18697), (133, 18745), (138, 18769), (142, 18787), (143, 18793),

Gene: OneinaGillian_32 Start: 20626, Stop: 21021, Start Num: 50
Candidate Starts for OneinaGillian_32:
(Start: 50 @20626 has 12 MA's), (68, 20677), (87, 20785), (102, 20860), (121, 20926), (146, 21013),

Gene: Oosterbaan_25 Start: 18678, Stop: 19100, Start Num: 41
Candidate Starts for Oosterbaan_25:
(26, 18612), (Start: 41 @18678 has 216 MA's), (77, 18801), (79, 18807), (80, 18813), (95, 18876),
(102, 18918), (113, 18969), (125, 18996), (133, 19044), (138, 19068), (142, 19086), (143, 19092),

Gene: OrangeOswald_26 Start: 19363, Stop: 19776, Start Num: 46
Candidate Starts for OrangeOswald_26:
(Start: 46 @19363 has 76 MA's), (70, 19438), (79, 19483), (80, 19489), (104, 19621), (137, 19747),

Gene: Orfeu_24 Start: 18379, Stop: 18801, Start Num: 41
Candidate Starts for Orfeu_24:

(26, 18313), (Start: 41 @18379 has 216 MA's), (77, 18502), (79, 18508), (80, 18514), (95, 18577), (102, 18619), (125, 18697), (133, 18745), (138, 18769), (142, 18787), (143, 18793),

Gene: Orion_25 Start: 18675, Stop: 19097, Start Num: 41

Candidate Starts for Orion_25:

(26, 18609), (Start: 41 @18675 has 216 MA's), (77, 18798), (79, 18804), (80, 18810), (95, 18873), (102, 18915), (113, 18966), (125, 18993), (133, 19041), (138, 19065), (142, 19083), (143, 19089),

Gene: Orwigg_24 Start: 18372, Stop: 18794, Start Num: 41

Candidate Starts for Orwigg_24:

(26, 18306), (Start: 41 @18372 has 216 MA's), (77, 18495), (79, 18501), (80, 18507), (95, 18570), (102, 18612), (125, 18690), (133, 18738), (138, 18762), (142, 18780), (143, 18786),

Gene: PG1_25 Start: 18688, Stop: 19110, Start Num: 41

Candidate Starts for PG1_25:

(26, 18622), (Start: 41 @18688 has 216 MA's), (77, 18811), (79, 18817), (80, 18823), (95, 18886), (102, 18928), (113, 18979), (125, 19006), (133, 19054), (138, 19078), (142, 19096), (143, 19102),

Gene: PR_19 Start: 18164, Stop: 18574, Start Num: 47

Candidate Starts for PR_19:

(Start: 47 @18164 has 8 MA's), (70, 18239), (79, 18284), (80, 18290), (89, 18332), (95, 18356), (100, 18377), (123, 18479), (133, 18524),

Gene: Pacifista_24 Start: 18379, Stop: 18801, Start Num: 41

Candidate Starts for Pacifista_24:

(26, 18313), (Start: 41 @18379 has 216 MA's), (77, 18502), (79, 18508), (80, 18514), (95, 18577), (102, 18619), (125, 18697), (133, 18745), (138, 18769), (142, 18787), (143, 18793),

Gene: PallasAthena_25 Start: 18386, Stop: 18808, Start Num: 41

Candidate Starts for PallasAthena_25:

(26, 18320), (Start: 41 @18386 has 216 MA's), (77, 18509), (79, 18515), (80, 18521), (95, 18584), (102, 18626), (125, 18704), (133, 18752), (138, 18776), (142, 18794), (143, 18800),

Gene: Paries_32 Start: 23819, Stop: 24253, Start Num: 58

Candidate Starts for Paries_32:

(Start: 44 @23780 has 19 MA's), (Start: 58 @23819 has 102 MA's), (76, 23903), (93, 23978), (97, 24002), (108, 24080), (117, 24101), (134, 24173), (149, 24224),

Gene: PenguinLover67_27 Start: 20904, Stop: 21338, Start Num: 43

Candidate Starts for PenguinLover67_27:

(Start: 43 @20904 has 22 MA's), (67, 20970), (71, 20994), (79, 21030), (80, 21036), (88, 21072), (95, 21099), (137, 21288),

Gene: Pepe25_31 Start: 20844, Stop: 21239, Start Num: 50

Candidate Starts for Pepe25_31:

(Start: 50 @20844 has 12 MA's), (64, 20886), (68, 20895), (87, 21003), (121, 21144), (141, 21213), (146, 21231),

Gene: Phabia_33 Start: 22063, Stop: 22467, Start Num: 52

Candidate Starts for Phabia_33:

(32, 22006), (Start: 52 @22063 has 39 MA's), (62, 22099), (100, 22273), (102, 22294), (110, 22339), (115, 22348), (147, 22453), (150, 22462),

Gene: Phamished_25 Start: 18683, Stop: 19105, Start Num: 41

Candidate Starts for Phamished_25:

(26, 18617), (Start: 41 @18683 has 216 MA's), (77, 18806), (79, 18812), (80, 18818), (95, 18881), (102, 18923), (125, 19001), (133, 19049), (138, 19073), (142, 19091), (143, 19097),

Gene: Phareon_25 Start: 18383, Stop: 18805, Start Num: 41

Candidate Starts for Phareon_25:

(26, 18317), (Start: 41 @18383 has 216 MA's), (77, 18506), (79, 18512), (80, 18518), (95, 18581), (102, 18623), (125, 18701), (133, 18749), (138, 18773), (142, 18791), (143, 18797),

Gene: PhatCats2014_25 Start: 18693, Stop: 19115, Start Num: 41

Candidate Starts for PhatCats2014_25:

(26, 18627), (Start: 41 @18693 has 216 MA's), (77, 18816), (79, 18822), (80, 18828), (95, 18891), (102, 18933), (125, 19011), (133, 19059), (138, 19083), (142, 19101), (143, 19107),

Gene: PhatLouie_25 Start: 18675, Stop: 19097, Start Num: 40

Candidate Starts for PhatLouie_25:

(Start: 40 @18675 has 68 MA's), (77, 18798), (79, 18804), (80, 18810), (95, 18873), (102, 18915), (125, 18993), (133, 19041), (138, 19065), (142, 19083), (143, 19089),

Gene: Phauci_21 Start: 17995, Stop: 18426, Start Num: 58

Candidate Starts for Phauci_21:

(15, 17803), (48, 17968), (Start: 58 @17995 has 102 MA's), (76, 18079), (96, 18175), (108, 18256), (111, 18262), (116, 18274), (132, 18334), (137, 18358), (147, 18397), (149, 18400),

Gene: Phayeta_26 Start: 19239, Stop: 19652, Start Num: 46

Candidate Starts for Phayeta_26:

(Start: 46 @19239 has 76 MA's), (70, 19314), (79, 19359), (80, 19365), (104, 19497), (137, 19623),

Gene: Phelemich_25 Start: 19636, Stop: 20052, Start Num: 44

Candidate Starts for Phelemich_25:

(Start: 44 @19636 has 19 MA's), (66, 19696), (79, 19759), (80, 19765), (102, 19870), (105, 19900), (125, 19948), (144, 20047),

Gene: Phendrix_82 Start: 43488, Stop: 43901, Start Num: 40

Candidate Starts for Phendrix_82:

(Start: 40 @43488 has 68 MA's), (54, 43521), (75, 43614), (80, 43638), (86, 43671), (94, 43698), (95, 43701), (105, 43773), (113, 43794), (127, 43833), (138, 43893),

Gene: PhenghisKhan_24 Start: 18254, Stop: 18676, Start Num: 40

Candidate Starts for PhenghisKhan_24:

(Start: 40 @18254 has 68 MA's), (68, 18326), (77, 18377), (79, 18383), (80, 18389), (95, 18452), (102, 18494), (125, 18572), (133, 18620), (138, 18644), (142, 18662), (143, 18668),

Gene: Pherdinand_25 Start: 18683, Stop: 19105, Start Num: 41

Candidate Starts for Pherdinand_25:

(26, 18617), (Start: 41 @18683 has 216 MA's), (77, 18806), (79, 18812), (80, 18818), (95, 18881), (102, 18923), (125, 19001), (133, 19049), (138, 19073), (142, 19091), (143, 19097),

Gene: Phergie_24 Start: 18248, Stop: 18670, Start Num: 40

Candidate Starts for Phergie_24:

(Start: 40 @18248 has 68 MA's), (68, 18320), (77, 18371), (79, 18377), (80, 18383), (95, 18446), (102, 18488), (125, 18566), (133, 18614), (138, 18638), (142, 18656), (143, 18662),

Gene: Philly_25 Start: 19229, Stop: 19642, Start Num: 46

Candidate Starts for Philly_25:

(Start: 46 @19229 has 76 MA's), (70, 19304), (79, 19349), (80, 19355), (104, 19487), (137, 19613),

Gene: Phinally_28 Start: 21403, Stop: 21834, Start Num: 58

Candidate Starts for Phinally_28:

(12, 21175), (15, 21211), (48, 21376), (51, 21379), (Start: 58 @21403 has 102 MA's), (76, 21487), (96, 21583), (108, 21664), (111, 21670), (116, 21682), (132, 21742), (137, 21766), (147, 21805), (149, 21808),

Gene: Phinky_39 Start: 23231, Stop: 23650, Start Num: 52

Candidate Starts for Phinky_39:

(38, 23201), (Start: 52 @23231 has 39 MA's), (62, 23267), (65, 23276), (77, 23342), (102, 23465), (115, 23522), (150, 23645),

Gene: Phipps_25 Start: 18653, Stop: 19075, Start Num: 41

Candidate Starts for Phipps_25:

(26, 18587), (Start: 41 @18653 has 216 MA's), (77, 18776), (79, 18782), (80, 18788), (95, 18851), (102, 18893), (125, 18971), (133, 19019), (138, 19043), (142, 19061), (143, 19067),

Gene: Phleuron_24 Start: 18254, Stop: 18676, Start Num: 40

Candidate Starts for Phleuron_24:

(Start: 40 @18254 has 68 MA's), (68, 18326), (77, 18377), (79, 18383), (80, 18389), (95, 18452), (102, 18494), (125, 18572), (133, 18620), (138, 18644), (142, 18662), (143, 18668),

Gene: Phlop_26 Start: 17656, Stop: 18099, Start Num: 58

Candidate Starts for Phlop_26:

(Start: 58 @17656 has 102 MA's), (108, 17917), (149, 18073),

Gene: Phlyer_26 Start: 20098, Stop: 20511, Start Num: 46

Candidate Starts for Phlyer_26:

(Start: 46 @20098 has 76 MA's), (79, 20218), (80, 20224), (91, 20272), (104, 20356), (137, 20482),

Gene: PhrankReynolds_24 Start: 18254, Stop: 18676, Start Num: 40

Candidate Starts for PhrankReynolds_24:

(Start: 40 @18254 has 68 MA's), (68, 18326), (77, 18377), (79, 18383), (80, 18389), (95, 18452), (102, 18494), (125, 18572), (133, 18620), (138, 18644), (142, 18662), (143, 18668),

Gene: PhrodoBaggins_24 Start: 18671, Stop: 19093, Start Num: 41

Candidate Starts for PhrodoBaggins_24:

(26, 18605), (Start: 41 @18671 has 216 MA's), (77, 18794), (79, 18800), (80, 18806), (95, 18869), (102, 18911), (125, 18989), (133, 19037), (138, 19061), (142, 19079), (143, 19085),

Gene: Phunky_25 Start: 18677, Stop: 19099, Start Num: 41

Candidate Starts for Phunky_25:

(26, 18611), (Start: 41 @18677 has 216 MA's), (77, 18800), (79, 18806), (80, 18812), (95, 18875), (102, 18917), (125, 18995), (133, 19043), (138, 19067), (142, 19085), (143, 19091),

Gene: Piglet_0024 Start: 18677, Stop: 19099, Start Num: 41

Candidate Starts for Piglet_0024:

(26, 18611), (Start: 41 @18677 has 216 MA's), (77, 18800), (79, 18806), (80, 18812), (95, 18875), (102, 18917), (125, 18995), (133, 19043), (138, 19067), (142, 19085), (143, 19091),

Gene: Pine5_25 Start: 19604, Stop: 20017, Start Num: 40

Candidate Starts for Pine5_25:

(Start: 40 @19604 has 68 MA's), (42, 19607), (77, 19727), (95, 19805), (139, 20009),

Gene: PinheadLarry_25 Start: 18394, Stop: 18816, Start Num: 41

Candidate Starts for PinheadLarry_25:

(26, 18328), (Start: 41 @18394 has 216 MA's), (77, 18517), (79, 18523), (80, 18529), (95, 18592), (102, 18634), (125, 18712), (133, 18760), (138, 18784), (142, 18802), (143, 18808),

Gene: PinkCoffee_28 Start: 18295, Stop: 18738, Start Num: 58

Candidate Starts for PinkCoffee_28:

(Start: 58 @18295 has 102 MA's), (108, 18556), (149, 18712),

Gene: Pinkman_24 Start: 18234, Stop: 18656, Start Num: 40

Candidate Starts for Pinkman_24:

(Start: 40 @18234 has 68 MA's), (77, 18357), (79, 18363), (80, 18369), (95, 18432), (102, 18474), (125, 18552), (133, 18600), (138, 18624), (142, 18642), (143, 18648),

Gene: Pipefish_26 Start: 20248, Stop: 20661, Start Num: 46

Candidate Starts for Pipefish_26:

(Start: 46 @20248 has 76 MA's), (79, 20368), (80, 20374), (91, 20422), (104, 20506), (137, 20632),

Gene: Pipsqueak_25 Start: 18683, Stop: 19105, Start Num: 41

Candidate Starts for Pipsqueak_25:

(26, 18617), (Start: 41 @18683 has 216 MA's), (77, 18806), (79, 18812), (80, 18818), (95, 18881), (102, 18923), (113, 18974), (125, 19001), (133, 19049), (138, 19073), (142, 19091), (143, 19097),

Gene: Placalicious_24 Start: 18376, Stop: 18798, Start Num: 41

Candidate Starts for Placalicious_24:

(26, 18310), (Start: 41 @18376 has 216 MA's), (77, 18499), (79, 18505), (80, 18511), (95, 18574), (102, 18616), (113, 18667), (125, 18694), (133, 18742), (138, 18766), (142, 18784), (143, 18790),

Gene: Plata_25 Start: 18390, Stop: 18812, Start Num: 40

Candidate Starts for Plata_25:

(Start: 40 @18390 has 68 MA's), (77, 18513), (79, 18519), (80, 18525), (95, 18588), (102, 18630), (125, 18708), (133, 18756), (138, 18780), (142, 18798), (143, 18804),

Gene: Plmatters_25 Start: 18680, Stop: 19102, Start Num: 41

Candidate Starts for Plmatters_25:

(26, 18614), (Start: 41 @18680 has 216 MA's), (77, 18803), (79, 18809), (80, 18815), (95, 18878), (102, 18920), (125, 18998), (133, 19046), (138, 19070), (142, 19088), (143, 19094),

Gene: Podrick_25 Start: 18672, Stop: 19094, Start Num: 41

Candidate Starts for Podrick_25:

(26, 18606), (Start: 41 @18672 has 216 MA's), (77, 18795), (79, 18801), (80, 18807), (95, 18870), (102, 18912), (125, 18990), (133, 19038), (138, 19062), (142, 19080), (143, 19086),

Gene: Pops_25 Start: 18680, Stop: 19102, Start Num: 41

Candidate Starts for Pops_25:

(26, 18614), (Start: 41 @18680 has 216 MA's), (77, 18803), (79, 18809), (80, 18815), (95, 18878), (102, 18920), (125, 18998), (133, 19046), (138, 19070), (142, 19088), (143, 19094),

Gene: Portcullis_26 Start: 17599, Stop: 18042, Start Num: 58

Candidate Starts for Portcullis_26:

(Start: 58 @17599 has 102 MA's), (108, 17860), (149, 18016),

Gene: Poster_22 Start: 18304, Stop: 18717, Start Num: 46

Candidate Starts for Poster_22:

(Start: 46 @18304 has 76 MA's), (77, 18418), (79, 18424), (80, 18430), (88, 18466), (95, 18493), (98, 18505), (101, 18517), (102, 18535), (125, 18613), (137, 18682), (143, 18709),

Gene: Potter_24 Start: 18390, Stop: 18812, Start Num: 41

Candidate Starts for Potter_24:

(26, 18324), (Start: 41 @18390 has 216 MA's), (77, 18513), (79, 18519), (80, 18525), (95, 18588), (102, 18630), (113, 18681), (125, 18708), (133, 18756), (138, 18780), (142, 18798), (143, 18804),

Gene: Prickles_25 Start: 18669, Stop: 19091, Start Num: 41

Candidate Starts for Prickles_25:

(26, 18603), (Start: 41 @18669 has 216 MA's), (77, 18792), (79, 18798), (80, 18804), (95, 18867), (102, 18909), (125, 18987), (133, 19035), (138, 19059), (142, 19077), (143, 19083),

Gene: Prince_23 Start: 19496, Stop: 19909, Start Num: 46

Candidate Starts for Prince_23:

(Start: 46 @19496 has 76 MA's), (77, 19610), (79, 19616), (80, 19622), (88, 19658), (98, 19697), (101, 19709), (102, 19727), (125, 19805), (128, 19820), (137, 19874), (138, 19877), (143, 19901),

Gene: ProfessorX_25 Start: 18667, Stop: 19089, Start Num: 41

Candidate Starts for ProfessorX_25:

(26, 18601), (Start: 41 @18667 has 216 MA's), (77, 18790), (79, 18796), (80, 18802), (95, 18865), (102, 18907), (125, 18985), (133, 19033), (138, 19057), (142, 19075), (143, 19081),

Gene: Puhltonio_25 Start: 18683, Stop: 19105, Start Num: 41

Candidate Starts for Puhltonio_25:

(26, 18617), (Start: 41 @18683 has 216 MA's), (77, 18806), (79, 18812), (80, 18818), (95, 18881), (102, 18923), (125, 19001), (133, 19049), (138, 19073), (142, 19091), (143, 19097),

Gene: PullumCavea_26 Start: 17656, Stop: 18099, Start Num: 58

Candidate Starts for PullumCavea_26:

(Start: 58 @17656 has 102 MA's), (108, 17917), (149, 18073),

Gene: Pumpkiney_31 Start: 20284, Stop: 20715, Start Num: 58

Candidate Starts for Pumpkiney_31:

(16, 20098), (23, 20158), (35, 20224), (48, 20257), (Start: 58 @20284 has 102 MA's), (84, 20413), (93, 20443), (108, 20545), (111, 20551), (117, 20566), (132, 20623), (134, 20638), (147, 20686), (149, 20689),

Gene: Quammi_31 Start: 21635, Stop: 22048, Start Num: 52

Candidate Starts for Quammi_31:

(32, 21578), (Start: 52 @21635 has 39 MA's), (62, 21671), (87, 21794), (107, 21911), (115, 21926),

Gene: QueenBeane_25 Start: 18675, Stop: 19097, Start Num: 41

Candidate Starts for QueenBeane_25:

(26, 18609), (Start: 41 @18675 has 216 MA's), (77, 18798), (79, 18804), (80, 18810), (95, 18873), (102, 18915), (125, 18993), (133, 19041), (138, 19065), (142, 19083), (143, 19089),

Gene: QueenPie_22 Start: 19500, Stop: 19913, Start Num: 46

Candidate Starts for QueenPie_22:

(Start: 46 @19500 has 76 MA's), (79, 19620), (80, 19626), (88, 19662), (98, 19701), (101, 19713), (102, 19731), (125, 19809), (137, 19878), (143, 19905),

Gene: Quesadilla_26 Start: 20803, Stop: 21240, Start Num: 43

Candidate Starts for Quesadilla_26:

(Start: 43 @20803 has 22 MA's), (79, 20929), (80, 20935), (88, 20971), (95, 20998), (125, 21118), (130, 21148), (137, 21187),

Gene: Quisquilliae_25 Start: 18690, Stop: 19112, Start Num: 41

Candidate Starts for Quisquilliae_25:

(26, 18624), (Start: 41 @18690 has 216 MA's), (77, 18813), (79, 18819), (80, 18825), (95, 18888), (102, 18930), (125, 19008), (133, 19056), (138, 19080), (142, 19098), (143, 19104),

Gene: RagingRooster_26 Start: 19364, Stop: 19777, Start Num: 46

Candidate Starts for RagingRooster_26:

(Start: 46 @19364 has 76 MA's), (70, 19439), (79, 19484), (80, 19490), (104, 19622), (137, 19748),

Gene: RawrgerThat_23 Start: 19333, Stop: 19746, Start Num: 46

Candidate Starts for RawrgerThat_23:

(Start: 46 @19333 has 76 MA's), (77, 19447), (79, 19453), (80, 19459), (88, 19495), (98, 19534), (101, 19546), (102, 19564), (125, 19642), (128, 19657), (137, 19711), (138, 19714), (143, 19738),

Gene: Reccee_26 Start: 19570, Stop: 19986, Start Num: 44

Candidate Starts for Reccee_26:

(Start: 44 @19570 has 19 MA's), (66, 19630), (80, 19699), (102, 19804), (105, 19834), (144, 19981),

Gene: RedMaple_24 Start: 18686, Stop: 19108, Start Num: 41

Candidate Starts for RedMaple_24:

(26, 18620), (Start: 41 @18686 has 216 MA's), (77, 18809), (79, 18815), (80, 18821), (95, 18884), (102, 18926), (125, 19004), (133, 19052), (138, 19076), (142, 19094), (143, 19100),

Gene: RedRaider89_25 Start: 18906, Stop: 19328, Start Num: 41

Candidate Starts for RedRaider89_25:

(26, 18840), (Start: 41 @18906 has 216 MA's), (77, 19029), (79, 19035), (80, 19041), (95, 19104), (102, 19146), (125, 19224), (133, 19272), (138, 19296), (142, 19314), (143, 19320),

Gene: Renkei_22 Start: 18311, Stop: 18724, Start Num: 46

Candidate Starts for Renkei_22:

(Start: 46 @18311 has 76 MA's), (77, 18425), (79, 18431), (80, 18437), (88, 18473), (98, 18512), (101, 18524), (102, 18542), (125, 18620), (137, 18689), (143, 18716),

Gene: Reprobate_25 Start: 19641, Stop: 20057, Start Num: 44

Candidate Starts for Reprobate_25:

(Start: 44 @19641 has 19 MA's), (66, 19701), (79, 19764), (80, 19770), (102, 19875), (105, 19905), (125, 19953), (144, 20052),

Gene: Ribeye_30 Start: 23007, Stop: 23441, Start Num: 53

Candidate Starts for Ribeye_30:

(Start: 53 @23007 has 8 MA's), (72, 23061), (76, 23091), (93, 23166), (108, 23268), (117, 23289), (134, 23361), (149, 23412),

Gene: Rich_24 Start: 19142, Stop: 19558, Start Num: 44
Candidate Starts for Rich_24:
(Start: 44 @19142 has 19 MA's), (77, 19259), (80, 19271), (95, 19334), (137, 19523), (144, 19553),

Gene: Ricotta_24 Start: 18398, Stop: 18820, Start Num: 41
Candidate Starts for Ricotta_24:
(26, 18332), (Start: 41 @18398 has 216 MA's), (77, 18521), (79, 18527), (80, 18533), (95, 18596),
(102, 18638), (125, 18716), (133, 18764), (138, 18788), (142, 18806), (143, 18812),

Gene: Riggan_25 Start: 18658, Stop: 19080, Start Num: 41
Candidate Starts for Riggan_25:
(26, 18592), (Start: 41 @18658 has 216 MA's), (77, 18781), (79, 18787), (80, 18793), (95, 18856),
(102, 18898), (125, 18976), (133, 19024), (138, 19048), (142, 19066), (143, 19072),

Gene: Rimu_25 Start: 18407, Stop: 18829, Start Num: 40
Candidate Starts for Rimu_25:
(Start: 40 @18407 has 68 MA's), (68, 18479), (77, 18530), (79, 18536), (80, 18542), (95, 18605), (102,
18647), (125, 18725), (133, 18773), (138, 18797), (142, 18815), (143, 18821),

Gene: Rinkes_28 Start: 21670, Stop: 22086, Start Num: 44
Candidate Starts for Rinkes_28:
(Start: 44 @21670 has 19 MA's), (79, 21793), (80, 21799), (88, 21835), (102, 21904), (125, 21982),
(128, 21997), (137, 22051), (138, 22054), (143, 22078),

Gene: Rita130_25 Start: 19390, Stop: 19806, Start Num: 44
Candidate Starts for Rita130_25:
(Start: 44 @19390 has 19 MA's), (66, 19450), (80, 19519), (102, 19624), (105, 19654), (144, 19801),

Gene: Rita1961_26 Start: 19359, Stop: 19772, Start Num: 46
Candidate Starts for Rita1961_26:
(Start: 46 @19359 has 76 MA's), (70, 19434), (79, 19479), (80, 19485), (104, 19617), (137, 19743),

Gene: RiverRaider_30 Start: 21439, Stop: 21873, Start Num: 58
Candidate Starts for RiverRaider_30:
(Start: 58 @21439 has 102 MA's), (76, 21523), (108, 21700), (117, 21721), (132, 21778), (134, 21793),
(149, 21844),

Gene: Riverton_24 Start: 18682, Stop: 19104, Start Num: 41
Candidate Starts for Riverton_24:
(26, 18616), (Start: 41 @18682 has 216 MA's), (77, 18805), (79, 18811), (80, 18817), (95, 18880),
(102, 18922), (125, 19000), (133, 19048), (138, 19072), (142, 19090), (143, 19096),

Gene: RoadKill_25 Start: 19107, Stop: 19538, Start Num: 58
Candidate Starts for RoadKill_25:
(17, 18933), (25, 18984), (Start: 58 @19107 has 102 MA's), (76, 19191), (93, 19266), (116, 19386),
(122, 19401), (134, 19461), (144, 19500), (147, 19509), (149, 19512),

Gene: RobinRose_34 Start: 21130, Stop: 21525, Start Num: 50
Candidate Starts for RobinRose_34:
(Start: 50 @21130 has 12 MA's), (64, 21172), (68, 21181), (87, 21289), (121, 21430), (146, 21517),

Gene: Robyn_24 Start: 18249, Stop: 18671, Start Num: 41
Candidate Starts for Robyn_24:

(26, 18183), (Start: 41 @18249 has 216 MA's), (77, 18372), (79, 18378), (80, 18384), (95, 18447), (102, 18489), (125, 18567), (133, 18615), (138, 18639), (142, 18657), (143, 18663),

Gene: Rofo_30 Start: 23214, Stop: 23648, Start Num: 58

Candidate Starts for Rofo_30:

(Start: 44 @23184 has 19 MA's), (Start: 58 @23214 has 102 MA's), (76, 23298), (93, 23373), (97, 23397), (108, 23475), (134, 23568), (149, 23619),

Gene: RogerDodger_29 Start: 18449, Stop: 18892, Start Num: 58

Candidate Starts for RogerDodger_29:

(Start: 58 @18449 has 102 MA's), (108, 18710), (149, 18866),

Gene: Roliet_25 Start: 18674, Stop: 19096, Start Num: 41

Candidate Starts for Roliet_25:

(26, 18608), (Start: 41 @18674 has 216 MA's), (77, 18797), (79, 18803), (80, 18809), (95, 18872), (102, 18914), (125, 18992), (133, 19040), (138, 19064), (142, 19082), (143, 19088),

Gene: RomaT_26 Start: 20149, Stop: 20562, Start Num: 46

Candidate Starts for RomaT_26:

(Start: 46 @20149 has 76 MA's), (79, 20269), (80, 20275), (104, 20407), (137, 20533),

Gene: Romm_34 Start: 21130, Stop: 21525, Start Num: 50

Candidate Starts for Romm_34:

(Start: 50 @21130 has 12 MA's), (64, 21172), (68, 21181), (87, 21289), (121, 21430), (146, 21517),

Gene: Roscoe_26 Start: 18916, Stop: 19338, Start Num: 41

Candidate Starts for Roscoe_26:

(26, 18850), (Start: 41 @18916 has 216 MA's), (77, 19039), (79, 19045), (80, 19051), (95, 19114), (102, 19156), (125, 19234), (133, 19282), (138, 19306), (142, 19324), (143, 19330),

Gene: Rowlf_29 Start: 21810, Stop: 22223, Start Num: 52

Candidate Starts for Rowlf_29:

(32, 21753), (Start: 52 @21810 has 39 MA's), (87, 21969), (107, 22086), (115, 22101),

Gene: Roy17_25 Start: 18378, Stop: 18800, Start Num: 41

Candidate Starts for Roy17_25:

(26, 18312), (Start: 41 @18378 has 216 MA's), (77, 18501), (79, 18507), (80, 18513), (95, 18576), (102, 18618), (125, 18696), (133, 18744), (138, 18768), (142, 18786), (143, 18792),

Gene: RubyRalph_35 Start: 21703, Stop: 22119, Start Num: 52

Candidate Starts for RubyRalph_35:

(21, 21580), (38, 21670), (Start: 52 @21703 has 39 MA's), (77, 21814), (101, 21919), (120, 22000), (121, 22003), (151, 22114),

Gene: Rudy_31 Start: 21668, Stop: 22081, Start Num: 52

Candidate Starts for Rudy_31:

(32, 21611), (39, 21641), (Start: 52 @21668 has 39 MA's), (62, 21704), (87, 21827), (107, 21944), (115, 21959),

Gene: SDcharge11_25 Start: 18656, Stop: 19078, Start Num: 41

Candidate Starts for SDcharge11_25:

(26, 18590), (Start: 41 @18656 has 216 MA's), (77, 18779), (79, 18785), (80, 18791), (95, 18854), (102, 18896), (125, 18974), (133, 19022), (138, 19046), (142, 19064), (143, 19070),

Gene: SadLad_37 Start: 22646, Stop: 23062, Start Num: 52
Candidate Starts for SadLad_37:
(6, 22172), (7, 22178), (8, 22205), (11, 22295), (21, 22523), (38, 22613), (Start: 52 @22646 has 39 MA's), (77, 22757), (120, 22943), (121, 22946), (151, 23057),

Gene: Saguaro_26 Start: 20711, Stop: 21127, Start Num: 44
Candidate Starts for Saguaro_26:
(Start: 44 @20711 has 19 MA's), (79, 20834), (125, 21023), (128, 21038), (130, 21053),

Gene: SallyH_25 Start: 18688, Stop: 19110, Start Num: 41
Candidate Starts for SallyH_25:
(26, 18622), (Start: 41 @18688 has 216 MA's), (77, 18811), (79, 18817), (80, 18823), (95, 18886), (102, 18928), (125, 19006), (133, 19054), (138, 19078), (142, 19096), (143, 19102),

Gene: SallyK_34 Start: 22743, Stop: 23147, Start Num: 52
Candidate Starts for SallyK_34:
(Start: 52 @22743 has 39 MA's), (62, 22779), (100, 22953), (102, 22974), (110, 23019), (115, 23028), (147, 23133), (150, 23142),

Gene: Salvador_26 Start: 17570, Stop: 18013, Start Num: 58
Candidate Starts for Salvador_26:
(Start: 58 @17570 has 102 MA's), (108, 17831), (149, 17987),

Gene: Samaymay_25 Start: 18675, Stop: 19097, Start Num: 41
Candidate Starts for Samaymay_25:
(26, 18609), (Start: 41 @18675 has 216 MA's), (77, 18798), (79, 18804), (80, 18810), (95, 18873), (102, 18915), (125, 18993), (133, 19041), (138, 19065), (142, 19083), (143, 19089),

Gene: Sampson_30 Start: 22909, Stop: 23340, Start Num: 58
Candidate Starts for Sampson_30:
(35, 22849), (48, 22882), (Start: 58 @22909 has 102 MA's), (84, 23038), (93, 23068), (108, 23170), (111, 23176), (117, 23191), (132, 23248), (134, 23263), (147, 23311), (149, 23314),

Gene: Sanjuju_28 Start: 23395, Stop: 23829, Start Num: 58
Candidate Starts for Sanjuju_28:
(Start: 44 @23365 has 19 MA's), (Start: 58 @23395 has 102 MA's), (76, 23479), (93, 23554), (97, 23578), (108, 23656), (117, 23677), (134, 23749), (149, 23800),

Gene: Saronaya_29 Start: 21853, Stop: 22287, Start Num: 58
Candidate Starts for Saronaya_29:
(55, 21844), (Start: 58 @21853 has 102 MA's), (76, 21937), (93, 22012), (108, 22114), (117, 22135), (132, 22192), (134, 22207), (149, 22258),

Gene: SassyCat97_24 Start: 18384, Stop: 18806, Start Num: 41
Candidate Starts for SassyCat97_24:
(26, 18318), (Start: 41 @18384 has 216 MA's), (77, 18507), (79, 18513), (80, 18519), (95, 18582), (102, 18624), (125, 18702), (133, 18750), (138, 18774), (142, 18792), (143, 18798),

Gene: Savbucketdawg_26 Start: 17351, Stop: 17794, Start Num: 58
Candidate Starts for Savbucketdawg_26:
(Start: 58 @17351 has 102 MA's), (108, 17612), (149, 17768),

Gene: Schadenfreude_24 Start: 18232, Stop: 18654, Start Num: 41

Candidate Starts for Schadenfreude_24:

(26, 18166), (Start: 41 @18232 has 216 MA's), (77, 18355), (79, 18361), (80, 18367), (95, 18430), (102, 18472), (125, 18550), (133, 18598), (138, 18622), (142, 18640), (143, 18646),

Gene: SchottB_28 Start: 22865, Stop: 23299, Start Num: 58

Candidate Starts for SchottB_28:

(55, 22856), (Start: 58 @22865 has 102 MA's), (76, 22949), (93, 23024), (108, 23126), (117, 23147), (132, 23204), (134, 23219), (149, 23270),

Gene: Schueller_24 Start: 18375, Stop: 18797, Start Num: 40

Candidate Starts for Schueller_24:

(Start: 40 @18375 has 68 MA's), (77, 18498), (79, 18504), (80, 18510), (95, 18573), (102, 18615), (125, 18693), (133, 18741), (138, 18765), (142, 18783), (143, 18789),

Gene: Scioto_30 Start: 22964, Stop: 23395, Start Num: 58

Candidate Starts for Scioto_30:

(35, 22904), (48, 22937), (Start: 58 @22964 has 102 MA's), (84, 23093), (93, 23123), (108, 23225), (111, 23231), (117, 23246), (132, 23303), (134, 23318), (147, 23366), (149, 23369),

Gene: Scoot17C_25 Start: 18677, Stop: 19099, Start Num: 41

Candidate Starts for Scoot17C_25:

(26, 18611), (Start: 41 @18677 has 216 MA's), (77, 18800), (79, 18806), (80, 18812), (95, 18875), (102, 18917), (113, 18968), (125, 18995), (133, 19043), (138, 19067), (142, 19085), (143, 19091),

Gene: Scrick_25 Start: 18402, Stop: 18824, Start Num: 41

Candidate Starts for Scrick_25:

(26, 18336), (Start: 41 @18402 has 216 MA's), (77, 18525), (79, 18531), (80, 18537), (95, 18600), (102, 18642), (125, 18720), (133, 18768), (138, 18792), (142, 18810), (143, 18816),

Gene: Sedona_30 Start: 24320, Stop: 24754, Start Num: 58

Candidate Starts for Sedona_30:

(Start: 58 @24320 has 102 MA's), (76, 24404), (93, 24479), (97, 24503), (108, 24581), (117, 24602), (132, 24659), (134, 24674), (149, 24725),

Gene: Sejanus_22 Start: 17555, Stop: 17959, Start Num: 45

Candidate Starts for Sejanus_22:

(Start: 45 @17555 has 4 MA's), (70, 17633), (79, 17678), (80, 17684), (90, 17729), (95, 17750), (102, 17792), (104, 17816), (113, 17843), (118, 17855), (135, 17933),

Gene: Selr12_25 Start: 18399, Stop: 18821, Start Num: 41

Candidate Starts for Selr12_25:

(26, 18333), (Start: 41 @18399 has 216 MA's), (77, 18522), (79, 18528), (80, 18534), (95, 18597), (102, 18639), (125, 18717), (133, 18765), (138, 18789), (142, 18807), (143, 18813),

Gene: Serendipitous_24 Start: 19199, Stop: 19615, Start Num: 44

Candidate Starts for Serendipitous_24:

(Start: 44 @19199 has 19 MA's), (82, 19343), (88, 19364), (101, 19415), (113, 19484), (137, 19580), (144, 19610),

Gene: Serendipity_25 Start: 18697, Stop: 19119, Start Num: 41

Candidate Starts for Serendipity_25:

(26, 18631), (Start: 41 @18697 has 216 MA's), (77, 18820), (79, 18826), (80, 18832), (95, 18895), (102, 18937), (125, 19015), (133, 19063), (138, 19087), (142, 19105), (143, 19111),

Gene: Serpentine_0025 Start: 18677, Stop: 19099, Start Num: 41

Candidate Starts for Serpentine_0025:

(26, 18611), (Start: 41 @18677 has 216 MA's), (77, 18800), (79, 18806), (80, 18812), (95, 18875), (102, 18917), (125, 18995), (133, 19043), (138, 19067), (142, 19085), (143, 19091),

Gene: ShadowBud_25 Start: 18690, Stop: 19112, Start Num: 41

Candidate Starts for ShadowBud_25:

(26, 18624), (Start: 41 @18690 has 216 MA's), (77, 18813), (79, 18819), (80, 18825), (95, 18888), (102, 18930), (125, 19008), (133, 19056), (138, 19080), (142, 19098), (143, 19104),

Gene: Shatter_22 Start: 17225, Stop: 17635, Start Num: 43

Candidate Starts for Shatter_22:

(Start: 43 @17225 has 22 MA's), (70, 17306), (77, 17345), (80, 17357), (89, 17399), (91, 17405), (95, 17423), (112, 17513),

Gene: Sheila_25 Start: 18669, Stop: 19091, Start Num: 41

Candidate Starts for Sheila_25:

(26, 18603), (Start: 41 @18669 has 216 MA's), (77, 18792), (79, 18798), (80, 18804), (95, 18867), (102, 18909), (125, 18987), (133, 19035), (138, 19059), (142, 19077), (143, 19083),

Gene: Shenandoah_26 Start: 19342, Stop: 19755, Start Num: 46

Candidate Starts for Shenandoah_26:

(Start: 46 @19342 has 76 MA's), (70, 19417), (79, 19462), (80, 19468), (104, 19600), (137, 19726),

Gene: Shenyu_25 Start: 19342, Stop: 19758, Start Num: 44

Candidate Starts for Shenyu_25:

(Start: 44 @19342 has 19 MA's), (95, 19534), (102, 19576), (113, 19627), (144, 19753),

Gene: ShiVal_25 Start: 18669, Stop: 19091, Start Num: 41

Candidate Starts for ShiVal_25:

(26, 18603), (Start: 41 @18669 has 216 MA's), (77, 18792), (79, 18798), (80, 18804), (95, 18867), (102, 18909), (125, 18987), (133, 19035), (138, 19059), (142, 19077), (143, 19083),

Gene: Shinji_26 Start: 17540, Stop: 17983, Start Num: 58

Candidate Starts for Shinji_26:

(Start: 58 @17540 has 102 MA's), (108, 17801), (149, 17957),

Gene: Shivanishola_31 Start: 23294, Stop: 23728, Start Num: 58

Candidate Starts for Shivanishola_31:

(Start: 44 @23264 has 19 MA's), (Start: 58 @23294 has 102 MA's), (76, 23378), (93, 23453), (97, 23477), (108, 23555), (117, 23576), (134, 23648), (149, 23699),

Gene: Sigman_25 Start: 18668, Stop: 19090, Start Num: 41

Candidate Starts for Sigman_25:

(26, 18602), (Start: 41 @18668 has 216 MA's), (77, 18791), (79, 18797), (80, 18803), (95, 18866), (102, 18908), (125, 18986), (133, 19034), (138, 19058), (142, 19076), (143, 19082),

Gene: Sillytadpoles_33 Start: 21633, Stop: 22037, Start Num: 52

Candidate Starts for Sillytadpoles_33:

(32, 21576), (Start: 52 @21633 has 39 MA's), (62, 21669), (100, 21843), (102, 21864), (110, 21909), (115, 21918), (147, 22023), (150, 22032),

Gene: SilverBell_25 Start: 18692, Stop: 19114, Start Num: 41

Candidate Starts for SilverBell_25:

(26, 18626), (Start: 41 @18692 has 216 MA's), (77, 18815), (79, 18821), (80, 18827), (95, 18890), (102, 18932), (125, 19010), (133, 19058), (138, 19082), (142, 19100), (143, 19106),

Gene: Simielle_24 Start: 18367, Stop: 18789, Start Num: 41

Candidate Starts for Simielle_24:

(26, 18301), (Start: 41 @18367 has 216 MA's), (77, 18490), (79, 18496), (80, 18502), (95, 18565), (102, 18607), (125, 18685), (133, 18733), (138, 18757), (142, 18775), (143, 18781),

Gene: SirBeauregard_24 Start: 18361, Stop: 18783, Start Num: 40

Candidate Starts for SirBeauregard_24:

(Start: 40 @18361 has 68 MA's), (68, 18433), (77, 18484), (79, 18490), (80, 18496), (95, 18559), (102, 18601), (125, 18679), (133, 18727), (138, 18751), (142, 18769), (143, 18775),

Gene: SirJeffery_25 Start: 19385, Stop: 19801, Start Num: 44

Candidate Starts for SirJeffery_25:

(Start: 44 @19385 has 19 MA's), (66, 19445), (80, 19514), (102, 19619), (105, 19649), (144, 19796),

Gene: Sisko_22 Start: 17508, Stop: 17921, Start Num: 43

Candidate Starts for Sisko_22:

(Start: 43 @17508 has 22 MA's), (67, 17577), (80, 17643), (91, 17691), (112, 17799), (137, 17898),

Gene: Sitar_30 Start: 24387, Stop: 24821, Start Num: 58

Candidate Starts for Sitar_30:

(Start: 44 @24357 has 19 MA's), (Start: 58 @24387 has 102 MA's), (76, 24471), (93, 24546), (108, 24648), (117, 24669), (134, 24741), (149, 24792),

Gene: Skippy_25 Start: 18662, Stop: 19084, Start Num: 41

Candidate Starts for Skippy_25:

(26, 18596), (Start: 41 @18662 has 216 MA's), (77, 18785), (79, 18791), (80, 18797), (95, 18860), (102, 18902), (125, 18980), (133, 19028), (138, 19052), (142, 19070), (143, 19076),

Gene: Slatt_25 Start: 18691, Stop: 19113, Start Num: 41

Candidate Starts for Slatt_25:

(26, 18625), (Start: 41 @18691 has 216 MA's), (77, 18814), (79, 18820), (80, 18826), (95, 18889), (102, 18931), (125, 19009), (133, 19057), (138, 19081), (142, 19099), (143, 19105),

Gene: SlippinJimmy_26 Start: 20128, Stop: 20541, Start Num: 46

Candidate Starts for SlippinJimmy_26:

(Start: 46 @20128 has 76 MA's), (79, 20248), (80, 20254), (91, 20302), (104, 20386), (137, 20512),

Gene: SlySloth_35 Start: 22638, Stop: 23036, Start Num: 52

Candidate Starts for SlySloth_35:

(33, 22584), (Start: 52 @22638 has 39 MA's), (62, 22674), (100, 22848), (102, 22869), (110, 22914), (115, 22923),

Gene: SmokingBunny_26 Start: 17570, Stop: 18013, Start Num: 58

Candidate Starts for SmokingBunny_26:

(Start: 58 @17570 has 102 MA's), (108, 17831), (149, 17987),

Gene: Soile_25 Start: 18389, Stop: 18811, Start Num: 40

Candidate Starts for Soile_25:

(Start: 40 @18389 has 68 MA's), (79, 18518), (80, 18524), (95, 18587), (102, 18629), (125, 18707), (133, 18755), (138, 18779), (142, 18797), (143, 18803),

Gene: Solosis_24 Start: 18394, Stop: 18816, Start Num: 41

Candidate Starts for Solosis_24:

(26, 18328), (Start: 41 @18394 has 216 MA's), (77, 18517), (79, 18523), (80, 18529), (95, 18592), (102, 18634), (125, 18712), (133, 18760), (138, 18784), (142, 18802), (143, 18808),

Gene: Sophia_24 Start: 18387, Stop: 18809, Start Num: 41

Candidate Starts for Sophia_24:

(26, 18321), (Start: 41 @18387 has 216 MA's), (77, 18510), (79, 18516), (80, 18522), (95, 18585), (102, 18627), (125, 18705), (133, 18753), (138, 18777), (142, 18795), (143, 18801),

Gene: Soto_25 Start: 18671, Stop: 19093, Start Num: 41

Candidate Starts for Soto_25:

(26, 18605), (Start: 41 @18671 has 216 MA's), (77, 18794), (79, 18800), (80, 18806), (95, 18869), (102, 18911), (125, 18989), (133, 19037), (138, 19061), (142, 19079), (143, 19085),

Gene: Sour_26 Start: 21204, Stop: 21638, Start Num: 36

Candidate Starts for Sour_26:

(Start: 36 @21204 has 1 MA's), (Start: 43 @21225 has 22 MA's), (67, 21294), (89, 21402), (91, 21408), (102, 21468), (103, 21474), (112, 21516),

Gene: Spartan300_25 Start: 18672, Stop: 19094, Start Num: 41

Candidate Starts for Spartan300_25:

(26, 18606), (Start: 41 @18672 has 216 MA's), (77, 18795), (79, 18801), (80, 18807), (95, 18870), (102, 18912), (125, 18990), (133, 19038), (138, 19062), (142, 19080), (143, 19086),

Gene: Squash_35 Start: 22692, Stop: 23105, Start Num: 52

Candidate Starts for Squash_35:

(32, 22635), (Start: 52 @22692 has 39 MA's), (87, 22851), (107, 22968), (115, 22983),

Gene: Squid_25 Start: 18384, Stop: 18806, Start Num: 41

Candidate Starts for Squid_25:

(26, 18318), (Start: 41 @18384 has 216 MA's), (77, 18507), (79, 18513), (80, 18519), (95, 18582), (102, 18624), (125, 18702), (133, 18750), (138, 18774), (142, 18792), (143, 18798),

Gene: Squiggle_25 Start: 18381, Stop: 18803, Start Num: 41

Candidate Starts for Squiggle_25:

(26, 18315), (Start: 41 @18381 has 216 MA's), (77, 18504), (79, 18510), (80, 18516), (95, 18579), (102, 18621), (125, 18699), (133, 18747), (138, 18771), (142, 18789), (143, 18795),

Gene: Statler_34 Start: 22552, Stop: 22956, Start Num: 52

Candidate Starts for Statler_34:

(37, 22507), (Start: 52 @22552 has 39 MA's), (56, 22564), (62, 22588), (100, 22762), (102, 22783), (110, 22828), (115, 22837), (147, 22942), (150, 22951),

Gene: Stinger_21 Start: 17880, Stop: 18293, Start Num: 46

Candidate Starts for Stinger_21:

(Start: 46 @17880 has 76 MA's), (79, 18000), (80, 18006), (88, 18042), (95, 18069), (98, 18081), (101, 18093), (102, 18111), (125, 18189), (137, 18258), (138, 18261), (143, 18285),

Gene: StinkyVeggy_27 Start: 19514, Stop: 19930, Start Num: 44

Candidate Starts for StinkyVeggy_27:

(Start: 44 @19514 has 19 MA's), (95, 19706), (113, 19799), (144, 19925),

Gene: StorminNorm_29 Start: 21732, Stop: 22166, Start Num: 58

Candidate Starts for StorminNorm_29:

(55, 21723), (Start: 58 @21732 has 102 MA's), (76, 21816), (93, 21891), (108, 21993), (117, 22014), (132, 22071), (134, 22086), (149, 22137),

Gene: StrawberryJamm_35 Start: 21872, Stop: 22285, Start Num: 52

Candidate Starts for StrawberryJamm_35:

(32, 21815), (Start: 52 @21872 has 39 MA's), (87, 22031), (107, 22148), (115, 22163),

Gene: Struggle_24 Start: 18228, Stop: 18650, Start Num: 40

Candidate Starts for Struggle_24:

(Start: 40 @18228 has 68 MA's), (77, 18351), (79, 18357), (80, 18363), (95, 18426), (102, 18468), (125, 18546), (133, 18594), (138, 18618), (142, 18636), (143, 18642),

Gene: Stultus_28 Start: 22302, Stop: 22736, Start Num: 58

Candidate Starts for Stultus_28:

(Start: 44 @22272 has 19 MA's), (Start: 58 @22302 has 102 MA's), (76, 22386), (93, 22461), (97, 22485), (108, 22563), (117, 22584), (134, 22656), (149, 22707),

Gene: Suffolk_25 Start: 18674, Stop: 19096, Start Num: 41

Candidate Starts for Suffolk_25:

(26, 18608), (Start: 41 @18674 has 216 MA's), (77, 18797), (79, 18803), (80, 18809), (95, 18872), (102, 18914), (125, 18992), (133, 19040), (138, 19064), (142, 19082), (143, 19088),

Gene: Suigeneris_25 Start: 19394, Stop: 19810, Start Num: 44

Candidate Starts for Suigeneris_25:

(Start: 44 @19394 has 19 MA's), (66, 19454), (80, 19523), (102, 19628), (105, 19658), (144, 19805),

Gene: Sunfish_41 Start: 23003, Stop: 23479, Start Num: 50

Candidate Starts for Sunfish_41:

(Start: 50 @23003 has 12 MA's), (73, 23084), (102, 23234), (110, 23288), (119, 23306), (129, 23333),

Gene: Surely_25 Start: 18686, Stop: 19108, Start Num: 41

Candidate Starts for Surely_25:

(26, 18620), (Start: 41 @18686 has 216 MA's), (77, 18809), (79, 18815), (80, 18821), (95, 18884), (102, 18926), (125, 19004), (133, 19052), (138, 19076), (142, 19094), (143, 19100),

Gene: SwainyDoc_26 Start: 19361, Stop: 19774, Start Num: 46

Candidate Starts for SwainyDoc_26:

(Start: 46 @19361 has 76 MA's), (70, 19436), (79, 19481), (80, 19487), (104, 19619), (137, 19745),

Gene: Swiphy_25 Start: 18675, Stop: 19097, Start Num: 40

Candidate Starts for Swiphy_25:

(Start: 40 @18675 has 68 MA's), (77, 18798), (79, 18804), (80, 18810), (95, 18873), (102, 18915), (125, 18993), (133, 19041), (138, 19065), (142, 19083), (143, 19089),

Gene: Swish_25 Start: 18669, Stop: 19091, Start Num: 41

Candidate Starts for Swish_25:

(26, 18603), (Start: 41 @18669 has 216 MA's), (77, 18792), (79, 18798), (80, 18804), (95, 18867), (102, 18909), (125, 18987), (133, 19035), (138, 19059), (142, 19077), (143, 19083),

Gene: SynergyX_26 Start: 19364, Stop: 19777, Start Num: 46

Candidate Starts for SynergyX_26:

(Start: 46 @19364 has 76 MA's), (70, 19439), (79, 19484), (80, 19490), (104, 19622), (137, 19748),

Gene: TPA2_31 Start: 19553, Stop: 19993, Start Num: 38

Candidate Starts for TPA2_31:

(38, 19553), (79, 19697), (80, 19703), (95, 19769), (125, 19892), (137, 19961), (140, 19979),

Gene: TallGrassMM_25 Start: 18401, Stop: 18823, Start Num: 41

Candidate Starts for TallGrassMM_25:

(26, 18335), (Start: 41 @18401 has 216 MA's), (77, 18524), (79, 18530), (80, 18536), (95, 18599), (102, 18641), (113, 18692), (125, 18719), (133, 18767), (138, 18791), (142, 18809), (143, 18815),

Gene: Tangent_30 Start: 22736, Stop: 23170, Start Num: 58

Candidate Starts for Tangent_30:

(Start: 44 @22706 has 19 MA's), (Start: 58 @22736 has 102 MA's), (76, 22820), (93, 22895), (97, 22919), (108, 22997), (134, 23090), (149, 23141),

Gene: Tangerine_29 Start: 21738, Stop: 22172, Start Num: 58

Candidate Starts for Tangerine_29:

(55, 21729), (Start: 58 @21738 has 102 MA's), (76, 21822), (93, 21897), (108, 21999), (117, 22020), (132, 22077), (134, 22092), (149, 22143),

Gene: Taptic_19 Start: 18137, Stop: 18547, Start Num: 47

Candidate Starts for Taptic_19:

(Start: 47 @18137 has 8 MA's), (70, 18212), (79, 18257), (80, 18263), (89, 18305), (95, 18329), (100, 18350), (123, 18452), (133, 18497),

Gene: Tardus_31 Start: 22245, Stop: 22676, Start Num: 58

Candidate Starts for Tardus_31:

(48, 22218), (Start: 58 @22245 has 102 MA's), (76, 22329), (84, 22374), (93, 22404), (108, 22506), (111, 22512), (117, 22527), (132, 22584), (134, 22599), (147, 22647), (149, 22650),

Gene: Teehee_34 Start: 22869, Stop: 23273, Start Num: 52

Candidate Starts for Teehee_34:

(32, 22812), (Start: 52 @22869 has 39 MA's), (62, 22905), (100, 23079), (102, 23100), (110, 23145), (115, 23154), (147, 23259), (150, 23268),

Gene: Telesworld_24 Start: 18380, Stop: 18802, Start Num: 41

Candidate Starts for Telesworld_24:

(26, 18314), (Start: 41 @18380 has 216 MA's), (77, 18503), (79, 18509), (80, 18515), (95, 18578), (102, 18620), (125, 18698), (133, 18746), (138, 18770), (142, 18788), (143, 18794),

Gene: Tempo_32 Start: 21006, Stop: 21401, Start Num: 50

Candidate Starts for Tempo_32:

(Start: 50 @21006 has 12 MA's), (64, 21048), (68, 21057), (87, 21165), (114, 21288), (121, 21306), (146, 21393),

Gene: Thing3_29 Start: 23229, Stop: 23663, Start Num: 58

Candidate Starts for Thing3_29:

(Start: 44 @23199 has 19 MA's), (Start: 58 @23229 has 102 MA's), (76, 23313), (93, 23388), (97, 23412), (108, 23490), (117, 23511), (134, 23583), (149, 23634),

Gene: Thonko_24 Start: 17161, Stop: 17574, Start Num: 46

Candidate Starts for Thonko_24:

(9, 16762), (10, 16798), (18, 17026), (Start: 46 @17161 has 76 MA's), (79, 17281), (80, 17287), (83, 17311), (84, 17314), (102, 17392), (128, 17485),

Gene: Thora_25 Start: 18685, Stop: 19107, Start Num: 41

Candidate Starts for Thora_25:

(26, 18619), (Start: 41 @18685 has 216 MA's), (77, 18808), (79, 18814), (80, 18820), (95, 18883), (102, 18925), (125, 19003), (133, 19051), (138, 19075), (142, 19093), (143, 19099),

Gene: ThreeOh3D2_25 Start: 18684, Stop: 19106, Start Num: 41

Candidate Starts for ThreeOh3D2_25:

(26, 18618), (Start: 41 @18684 has 216 MA's), (77, 18807), (79, 18813), (80, 18819), (95, 18882), (102, 18924), (125, 19002), (133, 19050), (138, 19074), (142, 19092), (143, 19098),

Gene: Thunderbird_24 Start: 18384, Stop: 18806, Start Num: 41

Candidate Starts for Thunderbird_24:

(26, 18318), (Start: 41 @18384 has 216 MA's), (77, 18507), (79, 18513), (80, 18519), (95, 18582), (102, 18624), (125, 18702), (133, 18750), (138, 18774), (142, 18792), (143, 18798),

Gene: Tiamoceli_28 Start: 20458, Stop: 20889, Start Num: 58

Candidate Starts for Tiamoceli_28:

(20, 20290), (Start: 58 @20458 has 102 MA's), (76, 20542), (93, 20617), (116, 20737), (122, 20752), (134, 20812), (137, 20821), (147, 20860), (149, 20863),

Gene: TillyBobJoe_26 Start: 17354, Stop: 17797, Start Num: 58

Candidate Starts for TillyBobJoe_26:

(Start: 58 @17354 has 102 MA's), (108, 17615), (149, 17771),

Gene: Timmi_24 Start: 18395, Stop: 18817, Start Num: 41

Candidate Starts for Timmi_24:

(26, 18329), (Start: 41 @18395 has 216 MA's), (77, 18518), (79, 18524), (80, 18530), (95, 18593), (102, 18635), (125, 18713), (133, 18761), (138, 18785), (142, 18803), (143, 18809),

Gene: TinyTerror_26 Start: 19361, Stop: 19774, Start Num: 46

Candidate Starts for TinyTerror_26:

(Start: 46 @19361 has 76 MA's), (79, 19481), (80, 19487), (91, 19535), (104, 19619), (137, 19745),

Gene: Tissue_33 Start: 22386, Stop: 22790, Start Num: 52

Candidate Starts for Tissue_33:

(Start: 52 @22386 has 39 MA's), (56, 22398), (100, 22596), (102, 22617), (110, 22662), (115, 22671), (147, 22776), (150, 22785),

Gene: Togo_26 Start: 17570, Stop: 18013, Start Num: 58

Candidate Starts for Togo_26:

(Start: 58 @17570 has 102 MA's), (108, 17831), (149, 17987),

Gene: TomBombadil_25 Start: 18680, Stop: 19102, Start Num: 41

Candidate Starts for TomBombadil_25:

(26, 18614), (Start: 41 @18680 has 216 MA's), (77, 18803), (79, 18809), (80, 18815), (95, 18878), (102, 18920), (125, 18998), (133, 19046), (138, 19070), (142, 19088), (143, 19094),

Gene: Tomlarah_25 Start: 18670, Stop: 19092, Start Num: 41

Candidate Starts for Tomlarah_25:

(26, 18604), (Start: 41 @18670 has 216 MA's), (77, 18793), (79, 18799), (80, 18805), (95, 18868), (102, 18910), (125, 18988), (133, 19036), (138, 19060), (142, 19078), (143, 19084),

Gene: Toni_24 Start: 18379, Stop: 18801, Start Num: 41

Candidate Starts for Toni_24:

(26, 18313), (Start: 41 @18379 has 216 MA's), (77, 18502), (79, 18508), (80, 18514), (95, 18577), (102, 18619), (125, 18697), (133, 18745), (138, 18769), (142, 18787), (143, 18793),

Gene: TooFast2Furius_26 Start: 18916, Stop: 19338, Start Num: 41

Candidate Starts for TooFast2Furius_26:

(26, 18850), (Start: 41 @18916 has 216 MA's), (77, 19039), (79, 19045), (80, 19051), (95, 19114), (102, 19156), (125, 19234), (133, 19282), (138, 19306), (142, 19324), (143, 19330),

Gene: Tooj_25 Start: 18681, Stop: 19103, Start Num: 41

Candidate Starts for Tooj_25:

(26, 18615), (Start: 41 @18681 has 216 MA's), (77, 18804), (79, 18810), (80, 18816), (95, 18879), (102, 18921), (125, 18999), (133, 19047), (138, 19071), (142, 19089), (143, 19095),

Gene: TraderJ_24 Start: 18607, Stop: 19017, Start Num: 43

Candidate Starts for TraderJ_24:

(Start: 43 @18607 has 22 MA's), (85, 18769), (89, 18781), (125, 18925),

Gene: Triad_25 Start: 17550, Stop: 17972, Start Num: 41

Candidate Starts for Triad_25:

(26, 17484), (Start: 41 @17550 has 216 MA's), (77, 17673), (79, 17679), (80, 17685), (95, 17748), (102, 17790), (125, 17868), (133, 17916), (138, 17940), (142, 17958), (143, 17964),

Gene: True_24 Start: 18383, Stop: 18805, Start Num: 41

Candidate Starts for True_24:

(26, 18317), (Start: 41 @18383 has 216 MA's), (77, 18506), (79, 18512), (80, 18518), (95, 18581), (102, 18623), (125, 18701), (133, 18749), (138, 18773), (142, 18791), (143, 18797),

Gene: Trypo_25 Start: 18672, Stop: 19094, Start Num: 40

Candidate Starts for Trypo_25:

(Start: 40 @18672 has 68 MA's), (77, 18795), (79, 18801), (80, 18807), (95, 18870), (102, 18912), (125, 18990), (133, 19038), (138, 19062), (142, 19080), (143, 19086),

Gene: Twister6_28 Start: 17997, Stop: 18440, Start Num: 58

Candidate Starts for Twister6_28:

(Start: 58 @17997 has 102 MA's), (108, 18258), (149, 18414),

Gene: Twonlo_25 Start: 19076, Stop: 19507, Start Num: 58

Candidate Starts for Twonlo_25:

(Start: 58 @19076 has 102 MA's), (76, 19160), (93, 19235), (116, 19355), (122, 19370), (134, 19430), (137, 19439), (147, 19478), (149, 19481),

Gene: Tycho_29 Start: 21827, Stop: 22261, Start Num: 58

Candidate Starts for Tycho_29:

(55, 21818), (Start: 58 @21827 has 102 MA's), (76, 21911), (93, 21986), (108, 22088), (117, 22109), (132, 22166), (134, 22181), (149, 22232),

Gene: Tydolla_26 Start: 20101, Stop: 20514, Start Num: 46

Candidate Starts for Tydolla_26:

(Start: 46 @20101 has 76 MA's), (79, 20221), (80, 20227), (91, 20275), (104, 20359), (137, 20485),

Gene: TyrionL_24 Start: 18236, Stop: 18658, Start Num: 40

Candidate Starts for TyrionL_24:

(Start: 40 @18236 has 68 MA's), (77, 18359), (79, 18365), (80, 18371), (95, 18434), (102, 18476), (125, 18554), (133, 18602), (138, 18626), (142, 18644), (143, 18650),

Gene: UAch1_25 Start: 18692, Stop: 19114, Start Num: 41

Candidate Starts for UAch1_25:

(26, 18626), (Start: 41 @18692 has 216 MA's), (77, 18815), (79, 18821), (80, 18827), (95, 18890), (102, 18932), (113, 18983), (125, 19010), (133, 19058), (138, 19082), (142, 19100), (143, 19106),

Gene: UncleHowie_25 Start: 18382, Stop: 18804, Start Num: 41

Candidate Starts for UncleHowie_25:

(26, 18316), (Start: 41 @18382 has 216 MA's), (77, 18505), (79, 18511), (80, 18517), (95, 18580), (102, 18622), (125, 18700), (133, 18748), (138, 18772), (142, 18790), (143, 18796),

Gene: Usavi_25 Start: 18683, Stop: 19105, Start Num: 41

Candidate Starts for Usavi_25:

(26, 18617), (Start: 41 @18683 has 216 MA's), (77, 18806), (79, 18812), (80, 18818), (95, 18881), (102, 18923), (113, 18974), (125, 19001), (133, 19049), (138, 19073), (142, 19091), (143, 19097),

Gene: Vaishali24_24 Start: 18341, Stop: 18763, Start Num: 40

Candidate Starts for Vaishali24_24:

(Start: 40 @18341 has 68 MA's), (77, 18464), (79, 18470), (80, 18476), (95, 18539), (102, 18581), (125, 18659), (133, 18707), (138, 18731), (142, 18749), (143, 18755),

Gene: Valary_29 Start: 18503, Stop: 18946, Start Num: 58

Candidate Starts for Valary_29:

(Start: 58 @18503 has 102 MA's), (108, 18764), (149, 18920),

Gene: Valjean_25 Start: 18675, Stop: 19097, Start Num: 41

Candidate Starts for Valjean_25:

(26, 18609), (Start: 41 @18675 has 216 MA's), (77, 18798), (79, 18804), (80, 18810), (95, 18873), (102, 18915), (125, 18993), (133, 19041), (138, 19065), (142, 19083), (143, 19089),

Gene: VanDeWege_29 Start: 18378, Stop: 18821, Start Num: 58

Candidate Starts for VanDeWege_29:

(Start: 58 @18378 has 102 MA's), (108, 18639), (149, 18795),

Gene: Vaticameos_25 Start: 18373, Stop: 18795, Start Num: 41

Candidate Starts for Vaticameos_25:

(26, 18307), (Start: 41 @18373 has 216 MA's), (77, 18496), (79, 18502), (80, 18508), (95, 18571), (102, 18613), (125, 18691), (133, 18739), (138, 18763), (142, 18781), (143, 18787),

Gene: Veritas_24 Start: 18242, Stop: 18664, Start Num: 40

Candidate Starts for Veritas_24:

(Start: 40 @18242 has 68 MA's), (68, 18314), (77, 18365), (79, 18371), (80, 18377), (95, 18440), (102, 18482), (125, 18560), (133, 18608), (138, 18632), (142, 18650), (143, 18656),

Gene: Verity_29 Start: 23097, Stop: 23528, Start Num: 58

Candidate Starts for Verity_29:

(48, 23070), (Start: 58 @23097 has 102 MA's), (76, 23181), (81, 23211), (84, 23226), (93, 23256), (96, 23277), (108, 23358), (111, 23364), (122, 23391), (132, 23436), (134, 23451), (147, 23499), (149, 23502),

Gene: ViaConlectus_30 Start: 21588, Stop: 22019, Start Num: 58

Candidate Starts for ViaConlectus_30:

(35, 21528), (48, 21561), (Start: 58 @21588 has 102 MA's), (84, 21717), (93, 21747), (108, 21849), (111, 21855), (117, 21870), (132, 21927), (134, 21942), (147, 21990), (149, 21993),

Gene: Viceroy_32 Start: 21635, Stop: 22048, Start Num: 52

Candidate Starts for Viceroy_32:

(32, 21578), (Start: 52 @21635 has 39 MA's), (62, 21671), (87, 21794), (107, 21911), (115, 21926),

Gene: Vincenzo_24 Start: 20089, Stop: 20502, Start Num: 46

Candidate Starts for Vincenzo_24:

(30, 20038), (Start: 46 @20089 has 76 MA's), (79, 20209), (80, 20215), (98, 20290), (102, 20320), (123, 20395), (128, 20413), (143, 20494),

Gene: VioletZ_23 Start: 19392, Stop: 19805, Start Num: 46

Candidate Starts for VioletZ_23:

(Start: 46 @19392 has 76 MA's), (77, 19506), (79, 19512), (80, 19518), (88, 19554), (98, 19593), (101, 19605), (102, 19623), (137, 19770), (143, 19797),

Gene: Virapocalypse_25 Start: 18666, Stop: 19088, Start Num: 41

Candidate Starts for Virapocalypse_25:

(26, 18600), (Start: 41 @18666 has 216 MA's), (77, 18789), (79, 18795), (80, 18801), (95, 18864), (102, 18906), (125, 18984), (133, 19032), (138, 19056), (142, 19074), (143, 19080),

Gene: Virgeve_24 Start: 18408, Stop: 18830, Start Num: 40

Candidate Starts for Virgeve_24:

(Start: 40 @18408 has 68 MA's), (68, 18480), (77, 18531), (79, 18537), (80, 18543), (95, 18606), (102, 18648), (125, 18726), (133, 18774), (138, 18798), (142, 18816), (143, 18822),

Gene: Vista_25 Start: 18680, Stop: 19102, Start Num: 41

Candidate Starts for Vista_25:

(26, 18614), (Start: 41 @18680 has 216 MA's), (77, 18803), (79, 18809), (80, 18815), (95, 18878), (102, 18920), (113, 18971), (125, 18998), (133, 19046), (138, 19070), (142, 19088), (143, 19094),

Gene: Vivaldi_25 Start: 18710, Stop: 19132, Start Num: 41

Candidate Starts for Vivaldi_25:

(26, 18644), (Start: 41 @18710 has 216 MA's), (77, 18833), (79, 18839), (80, 18845), (95, 18908), (102, 18950), (125, 19028), (133, 19076), (138, 19100), (142, 19118), (143, 19124),

Gene: Vivi2_32 Start: 23909, Stop: 24343, Start Num: 58

Candidate Starts for Vivi2_32:

(Start: 44 @23879 has 19 MA's), (Start: 58 @23909 has 102 MA's), (76, 23993), (93, 24068), (97, 24092), (108, 24170), (117, 24191), (134, 24263), (149, 24314),

Gene: Vortex_25 Start: 18390, Stop: 18812, Start Num: 41

Candidate Starts for Vortex_25:

(26, 18324), (Start: 41 @18390 has 216 MA's), (77, 18513), (79, 18519), (80, 18525), (95, 18588), (102, 18630), (125, 18708), (133, 18756), (138, 18780), (142, 18798), (143, 18804),

Gene: Waleliano_23 Start: 19331, Stop: 19744, Start Num: 46

Candidate Starts for Waleliano_23:

(Start: 46 @19331 has 76 MA's), (77, 19445), (79, 19451), (80, 19457), (88, 19493), (98, 19532), (101, 19544), (102, 19562), (125, 19640), (137, 19709), (138, 19712), (143, 19736),

Gene: Wallhey_24 Start: 18240, Stop: 18662, Start Num: 40

Candidate Starts for Wallhey_24:

(Start: 40 @18240 has 68 MA's), (77, 18363), (79, 18369), (80, 18375), (95, 18438), (102, 18480), (125, 18558), (133, 18606), (138, 18630), (142, 18648), (143, 18654),

Gene: Waterdiva_25 Start: 18675, Stop: 19097, Start Num: 41

Candidate Starts for Waterdiva_25:

(26, 18609), (Start: 41 @18675 has 216 MA's), (77, 18798), (79, 18804), (80, 18810), (95, 18873), (102, 18915), (125, 18993), (133, 19041), (138, 19065), (142, 19083), (143, 19089),

Gene: Wayne3_34 Start: 22632, Stop: 23036, Start Num: 52

Candidate Starts for Wayne3_34:

(32, 22575), (Start: 52 @22632 has 39 MA's), (62, 22668), (100, 22842), (102, 22863), (110, 22908), (115, 22917), (147, 23022), (150, 23031),

Gene: Weher20_25 Start: 18668, Stop: 19090, Start Num: 40

Candidate Starts for Weher20_25:

(Start: 40 @18668 has 68 MA's), (77, 18791), (79, 18797), (80, 18803), (95, 18866), (102, 18908), (125, 18986), (133, 19034), (138, 19058), (142, 19076), (143, 19082),

Gene: WheelerS25_38 Start: 23392, Stop: 23796, Start Num: 52

Candidate Starts for WheelerS25_38:

(32, 23335), (Start: 52 @23392 has 39 MA's), (100, 23602), (102, 23623), (110, 23668), (115, 23677), (147, 23782), (150, 23791),

Gene: Wheelie_32 Start: 21950, Stop: 22354, Start Num: 52

Candidate Starts for Wheelie_32:

(32, 21893), (Start: 52 @21950 has 39 MA's), (62, 21986), (100, 22160), (102, 22181), (110, 22226), (115, 22235), (147, 22340), (150, 22349),

Gene: Wilca_32 Start: 20827, Stop: 21222, Start Num: 50

Candidate Starts for Wilca_32:

(Start: 50 @20827 has 12 MA's), (64, 20869), (68, 20878), (87, 20986), (121, 21127), (141, 21196), (146, 21214),

Gene: Windsor_24 Start: 18360, Stop: 18782, Start Num: 40

Candidate Starts for Windsor_24:

(Start: 40 @18360 has 68 MA's), (68, 18432), (77, 18483), (79, 18489), (80, 18495), (95, 18558), (102, 18600), (125, 18678), (133, 18726), (138, 18750), (142, 18768), (143, 18774),

Gene: Wizard_26 Start: 17704, Stop: 18147, Start Num: 58

Candidate Starts for Wizard_26:

(Start: 58 @17704 has 102 MA's), (108, 17965), (149, 18121),

Gene: Wooper_24 Start: 18613, Stop: 19023, Start Num: 43
Candidate Starts for Wooper_24:
(Start: 43 @18613 has 22 MA's), (85, 18775), (89, 18787), (125, 18931),

Gene: Xavier_24 Start: 18393, Stop: 18815, Start Num: 41
Candidate Starts for Xavier_24:
(26, 18327), (Start: 41 @18393 has 216 MA's), (77, 18516), (79, 18522), (80, 18528), (95, 18591),
(102, 18633), (125, 18711), (133, 18759), (138, 18783), (142, 18801), (143, 18807),

Gene: Xincheng_22 Start: 18792, Stop: 19205, Start Num: 46
Candidate Starts for Xincheng_22:
(Start: 46 @18792 has 76 MA's), (77, 18906), (79, 18912), (80, 18918), (88, 18954), (98, 18993), (101,
19005), (102, 19023), (113, 19074), (125, 19101), (137, 19170), (138, 19173), (143, 19197),

Gene: Yago84_22 Start: 17516, Stop: 17929, Start Num: 43
Candidate Starts for Yago84_22:
(Start: 43 @17516 has 22 MA's), (67, 17585), (80, 17651), (91, 17699), (112, 17807), (137, 17906),

Gene: Yahalom_26 Start: 19376, Stop: 19789, Start Num: 46
Candidate Starts for Yahalom_26:
(Start: 46 @19376 has 76 MA's), (79, 19496), (80, 19502), (91, 19550), (104, 19634), (137, 19760),

Gene: Yeshua_24 Start: 18590, Stop: 19000, Start Num: 43
Candidate Starts for Yeshua_24:
(Start: 43 @18590 has 22 MA's), (85, 18752), (89, 18764), (125, 18908),

Gene: Yinz_26 Start: 19402, Stop: 19815, Start Num: 46
Candidate Starts for Yinz_26:
(Start: 46 @19402 has 76 MA's), (70, 19477), (79, 19522), (80, 19528), (104, 19660), (137, 19786),

Gene: YorkOnyx_30 Start: 22083, Stop: 22517, Start Num: 53
Candidate Starts for YorkOnyx_30:
(Start: 53 @22083 has 8 MA's), (72, 22137), (76, 22167), (95, 22257), (96, 22263), (108, 22344), (117,
22365), (134, 22437), (149, 22488),

Gene: Yoshand_25 Start: 18682, Stop: 19104, Start Num: 41
Candidate Starts for Yoshand_25:
(26, 18616), (Start: 41 @18682 has 216 MA's), (77, 18805), (79, 18811), (80, 18817), (95, 18880),
(102, 18922), (125, 19000), (133, 19048), (138, 19072), (142, 19090), (143, 19096),

Gene: YouGoGlencoco_25 Start: 18671, Stop: 19093, Start Num: 41
Candidate Starts for YouGoGlencoco_25:
(26, 18605), (Start: 41 @18671 has 216 MA's), (77, 18794), (79, 18800), (80, 18806), (95, 18869),
(102, 18911), (125, 18989), (133, 19037), (138, 19061), (142, 19079), (143, 19085),

Gene: YungMoney_28 Start: 19070, Stop: 19513, Start Num: 58
Candidate Starts for YungMoney_28:
(Start: 58 @19070 has 102 MA's), (149, 19487),

Gene: Zagie_33 Start: 22073, Stop: 22486, Start Num: 52
Candidate Starts for Zagie_33:
(32, 22016), (Start: 52 @22073 has 39 MA's), (87, 22232), (107, 22349), (115, 22364),

Gene: Zaider_26 Start: 18907, Stop: 19329, Start Num: 41

Candidate Starts for Zaider_26:

(26, 18841), (Start: 41 @18907 has 216 MA's), (77, 19030), (79, 19036), (80, 19042), (95, 19105), (102, 19147), (125, 19225), (133, 19273), (138, 19297), (142, 19315), (143, 19321),

Gene: Zelda_25 Start: 18676, Stop: 19098, Start Num: 41

Candidate Starts for Zelda_25:

(26, 18610), (Start: 41 @18676 has 216 MA's), (77, 18799), (79, 18805), (80, 18811), (95, 18874), (102, 18916), (125, 18994), (133, 19042), (138, 19066), (142, 19084), (143, 19090),

Gene: Zemanar_24 Start: 19331, Stop: 19744, Start Num: 46

Candidate Starts for Zemanar_24:

(Start: 46 @19331 has 76 MA's), (77, 19445), (79, 19451), (80, 19457), (88, 19493), (98, 19532), (101, 19544), (102, 19562), (125, 19640), (137, 19709), (138, 19712), (143, 19736),

Gene: Zenteno07_29 Start: 19112, Stop: 19528, Start Num: 44

Candidate Starts for Zenteno07_29:

(Start: 44 @19112 has 19 MA's), (79, 19235), (83, 19265), (84, 19268), (125, 19424), (128, 19439), (143, 19520),

Gene: Zhafia_35 Start: 22428, Stop: 22832, Start Num: 52

Candidate Starts for Zhafia_35:

(32, 22371), (Start: 52 @22428 has 39 MA's), (62, 22464), (100, 22638), (102, 22659), (110, 22704), (115, 22713), (147, 22818), (150, 22827),

Gene: Zipp_29 Start: 22994, Stop: 23425, Start Num: 58

Candidate Starts for Zipp_29:

(48, 22967), (Start: 58 @22994 has 102 MA's), (81, 23108), (84, 23123), (93, 23153), (96, 23174), (108, 23255), (111, 23261), (122, 23288), (132, 23333), (134, 23348), (147, 23396), (149, 23399),

Gene: Zitch_31 Start: 20868, Stop: 21299, Start Num: 58

Candidate Starts for Zitch_31:

(48, 20841), (Start: 58 @20868 has 102 MA's), (76, 20952), (84, 20997), (93, 21027), (96, 21048), (108, 21129), (111, 21135), (117, 21150), (132, 21207), (134, 21222), (147, 21270), (149, 21273),

Gene: Zonia_25 Start: 18690, Stop: 19112, Start Num: 40

Candidate Starts for Zonia_25:

(Start: 40 @18690 has 68 MA's), (77, 18813), (79, 18819), (80, 18825), (95, 18888), (102, 18930), (125, 19008), (133, 19056), (138, 19080), (142, 19098), (143, 19104),

Gene: Zuko_15 Start: 11717, Stop: 12112, Start Num: 61

Candidate Starts for Zuko_15:

(Start: 61 @11717 has 2 MA's), (69, 11747), (76, 11795), (78, 11804), (106, 11963), (145, 12098),